NBS

Technical Note 18-14

QUARTERLY RADIO NOISE DATA MARCH, APRIL, MAY 1962 AND CORRIGENDUM FOR TECHNICAL NOTES 18-1 THROUGH 18-11

W. Q. CRICHLOW, R. T. DISNEY,
AND M. A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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The functions of the National Bureau of Standards are set forth in the Act of Congress, March 3, 1901, as amended by Congress in Public Law 619, 1950. These include the development and maintenance of the national standards of measurement and the provision of means and methods for making measurements consistent with these standards; the determination of physical constants and properties of materials; the development of methods and instruments for testing materials, devices, and structures; advisory services to government agencies on scientific and technical problems; invention and development of devices to serve special needs of the Government; and the development of standard practices, codes, and specifications. The work includes basic and applied research, development, engineering, instrumentation, testing, evaluation, calibration services, and various consultation and information services. Research projects are also performed for other government agencies when the work relates to and supplements the basic program of the Bureau or when the Bureau's unique competence is required. The scope of activities is suggested by the listing of divisions and sections on the inside of the back cover.

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NATIONAL BUREAU OF STANDARDS

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AUGUST 9, 1962

QUARTERLY RADIO NOISE DATA MARCH, APRIL, MAY 1962 AND CORRIGENDUM FOR TECHNICAL NOTES 18-1 THROUGH 18-11

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NBS Boulder Laboratories
Boulder, Colorado

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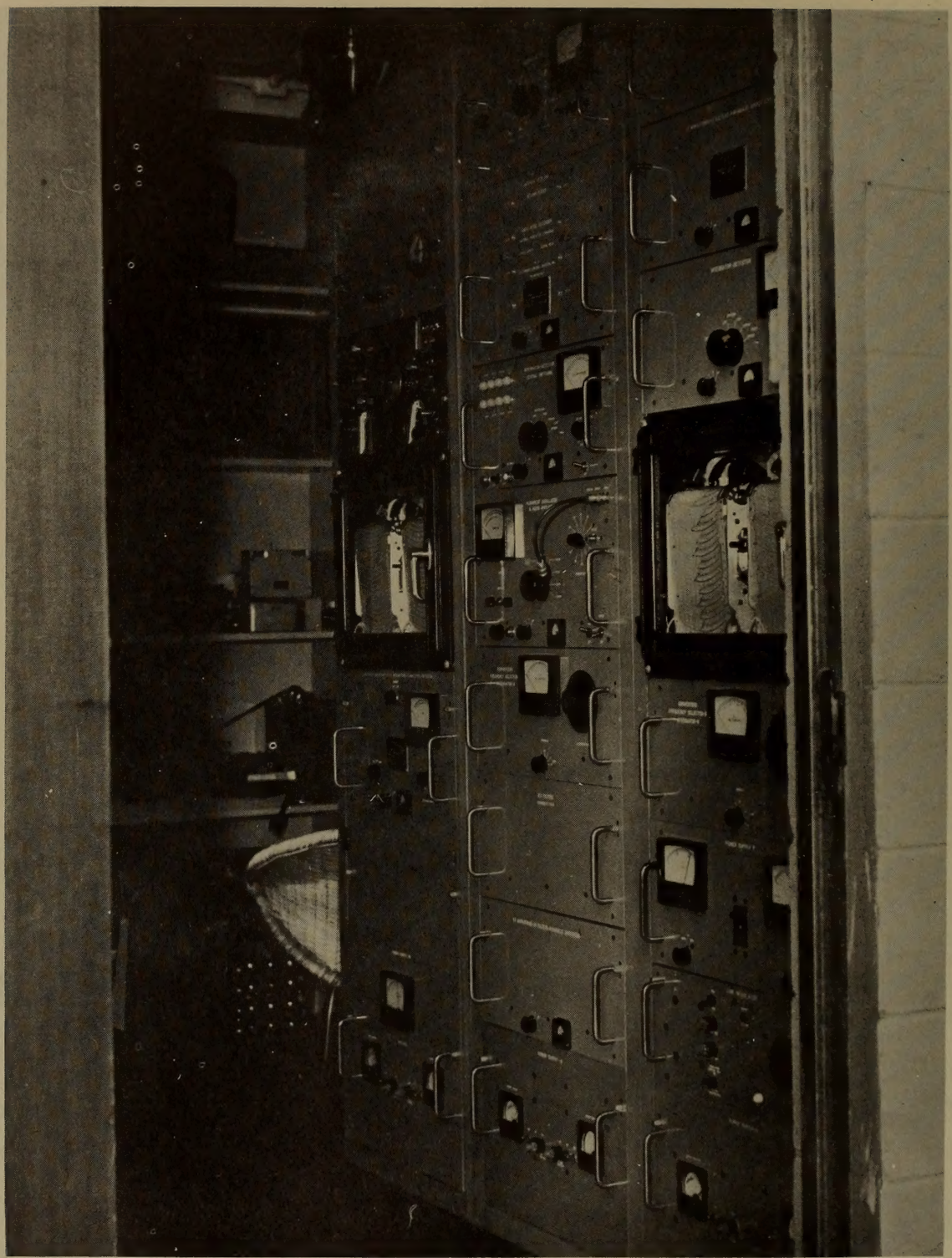
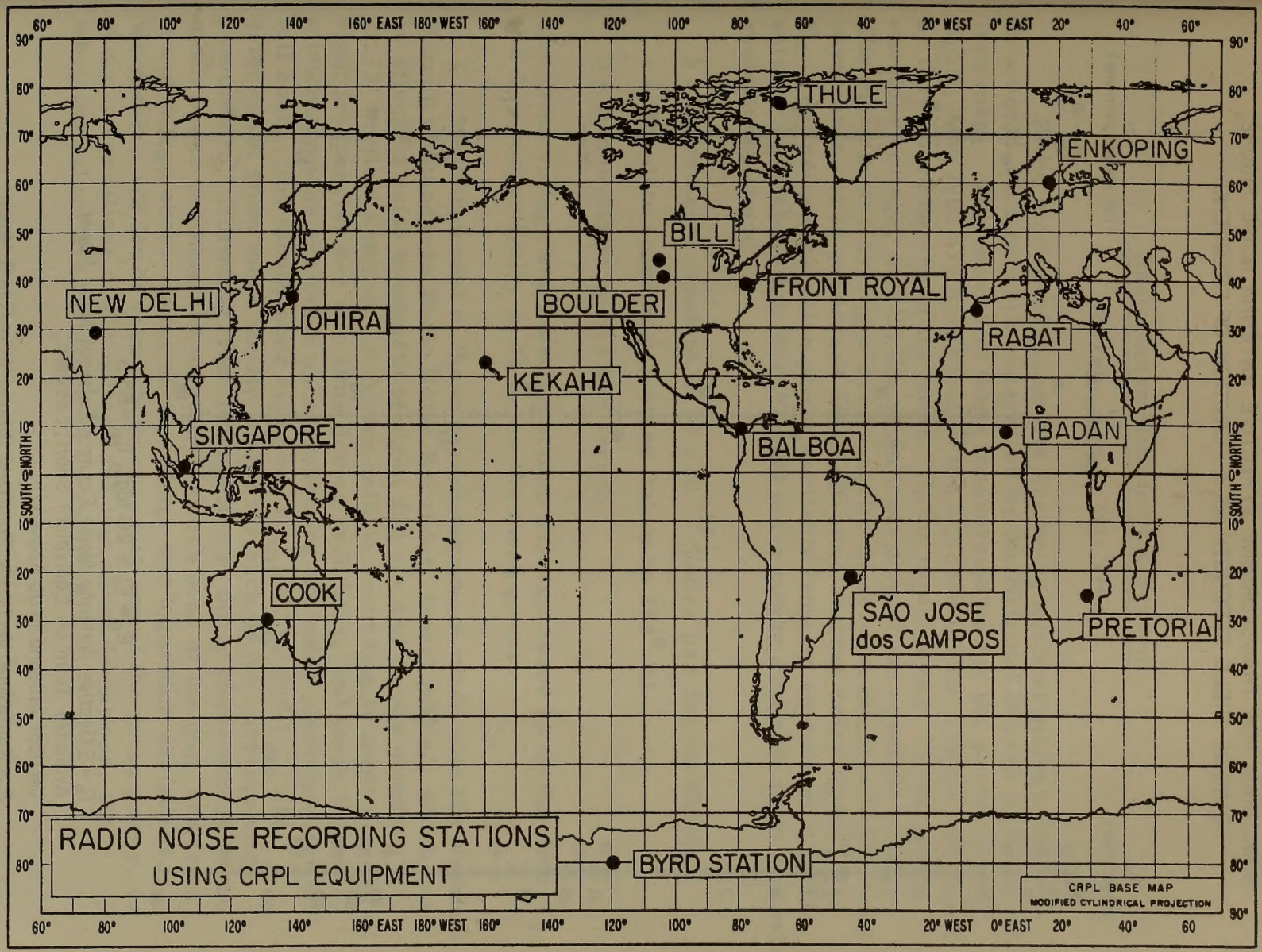
RADIO NOISE RECORDING STATION



ARN-2 ATMOSPHERIC RADIO NOISE RECORDER


THULE
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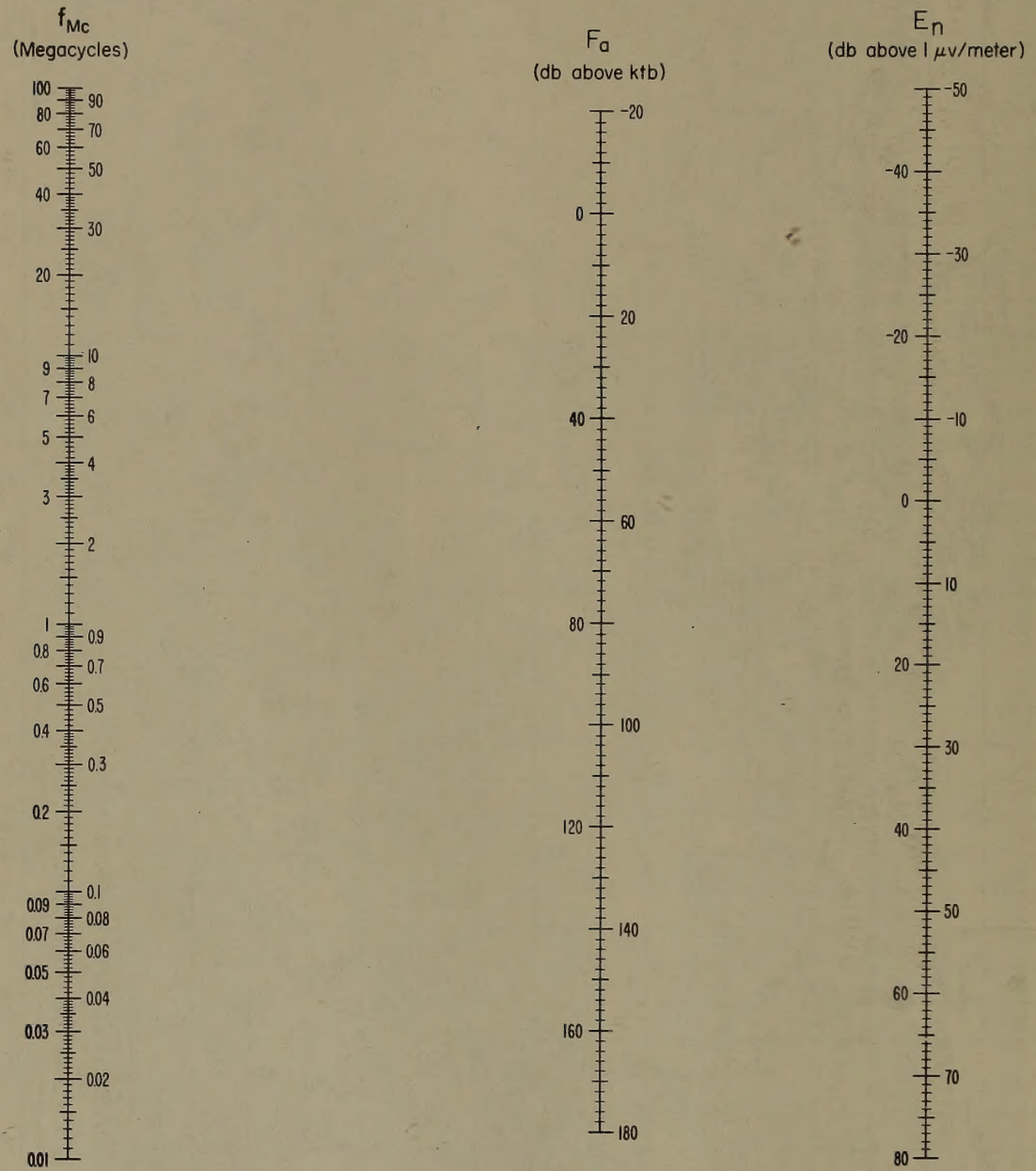
OHIRA
BOULDER
RABAT
KEKAHA
SINGAPORE
BALBOA
IBADAN
COOK
SÃO JOSE
dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION

NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Radio Noise Data for the Season

March, April, May 1962

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period March, April, May 1962 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

k = Boltzman's constant (1.38×10^{-23} joules per degree Kelvin)

t = Absolute room temperature (taken as 288° K)

b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, V_d and L_d, respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 21.75' vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am}, V_{dm}, and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am}, and designated by D_u and D_ℓ, respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

F_a in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

where

E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 μv/meter for a 1 kc bandwidth.

f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d. This contamination generally will cause the value of L_d to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [10], contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution by the method in reference 10, and

can therefore be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5).

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

Ministry of Communications, Wireless Planning and Co-ordination Organisation - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore, Malaya

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged.

The following publications contain additional information on radio noise:

1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.

2. "Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

3. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45,1, 55 (1957).

4. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45,6, 778 (1957).

5. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45,6, 787 (1957).

6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V. L. F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.

7. H. E. Dinger, "Report on URSI Commission IV - Radio Noise of Terrestrial Origin," Proc. IRE, 46,7, 1366 (1958).

8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46,12, 1914 (1958).

9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D,2, 199 (1959).

10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D,1, 49 (1960).

11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D,1, 41 (1960).

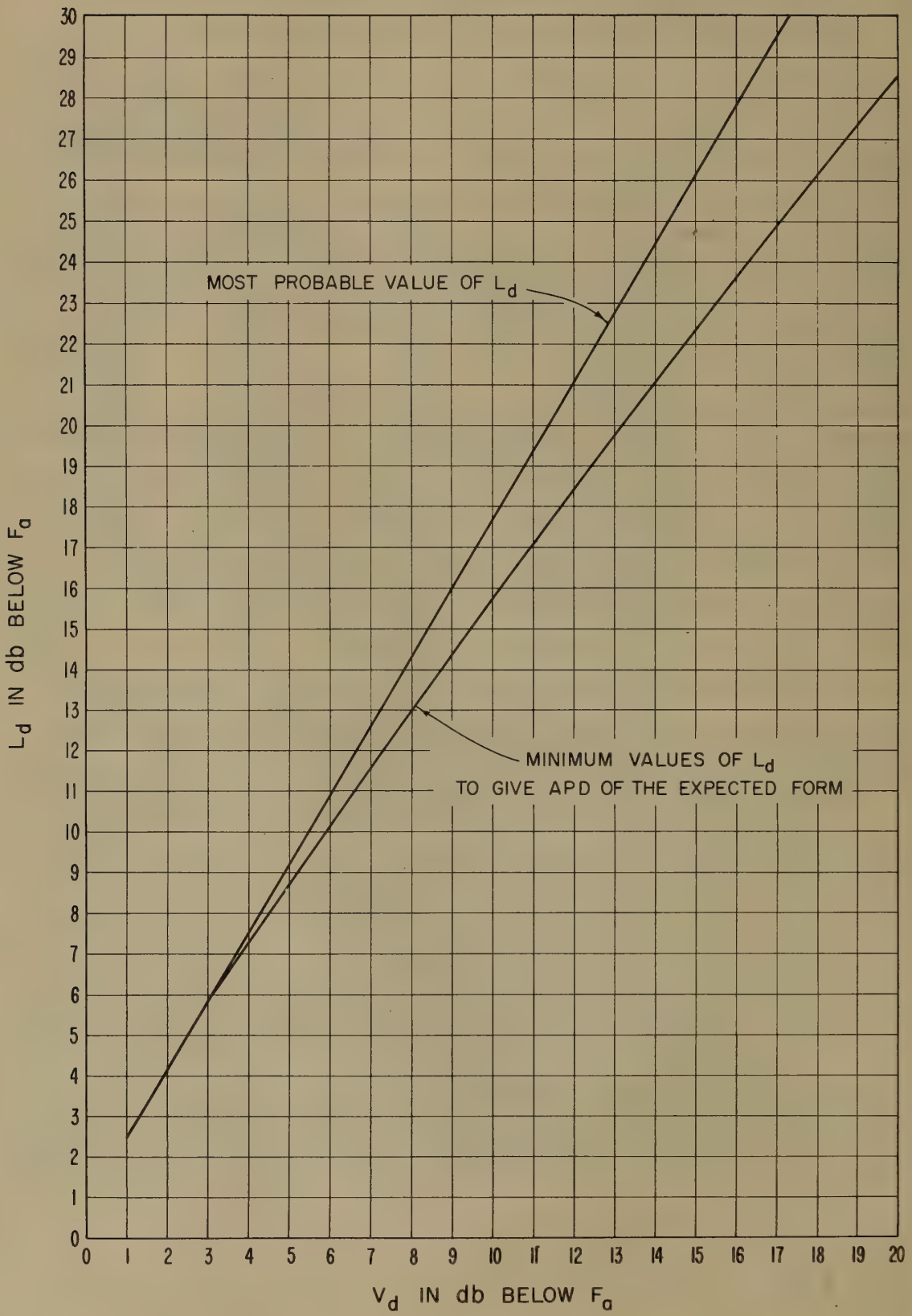
Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	March April May 1962	75 W	+05
Bill	January February 1962	105 W	+07
Boulder	March April May 1962	105 W	+07
Cook	March April May 1962	135 E	-09
Enkoping	March April May 1962	15 E	-01
Front Royal	March April May 1962	75 W	+05
Kekaha	March April May 1962	150 W	+10
New Delhi	February 1962	75 E	-05
Ohira	March April May 1962	135 E	-09
Pretoria	March April May 1962	30 E	-02
Rabat	March April May 1962	GMT	0
Singapore	January 1962	105 E	-07
Thule	March April 1962	75 W	+05
Warrensburg	March April May 1961	90 W	+06
	July August 1961		
	Sept Oct Nov 1961		
	Dec Jan Feb 1961-62		
	March April 1962		

Previous data from the NBS World-Wide Network have been published in the following Technical Note 18 series:

18-1 July 1, 1957 - December 31, 1958
18-2 March, April, May 1959
18-3 June, July, August 1959
18-4 September, October, November 1959
18-5 December, January, February 1959-60
18-6 March, April, May 1960
18-7 June, July, August 1960
18-8 September, October, November 1960
18-9 December, January, February 1960-61
18-10 March, April, May 1961
18-11 June, July, August 1961
18-12 September, October, November 1961
18-13 December, January, February 1961-62

MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d FOR ATMOSPHERIC RADIO NOISE



MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Month March 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	5	7	10.5	18.0	134	4	9	8.0	15.0	114	4	8	*6.0	*12.0	94	4	6	6.0	11.0	65	2	8	6.0	11.5	60	5	11	9.0	13.0	47	7	11	3.0	6.0	25	0	2	1.5	3.0
01	155	4	7	10.5	17.0	133	5	8	*8.5	*14.0	114	6	11	*8.5	*14.0	93	6	5	*7.0	*11.0	65	4	6	6.0	10.5	61	4	6	3.0	4.0	48	6	12	4.0	7.0	25	4	2	1.5	2.0
02	155	6	8	9.0	16.0	133	7	9	8.0	15.0	114	6	12	*7.5	*13.5	93	6	7	*5.5	*12.0	65	6	7	6.5	13.0	59	5	3	5.0	9.0	41	10	7	5.0	8.5	25	0	0	1.5	2.5
03	155	6	6	9.5	17.0	134	8	4	8.5	16.0	112	8	10	8.0	16.0	93	6	5	7.0	12.0	67	4	10	5.0	12.0	57	6	5	6.0	11.0	40	2	8	3.0	6.0	25	2	1	1.5	2.5
04	155	6	6	9.0	16.5	134	6	8	8.5	15.0	112	6	8	*8.0	*16.0	92	7	6	9.0	15.0	67	5	10	5.0	11.0	57	7	4			36	6	5	3.0	6.0	25	1	1	1.0	2.0
05	155	6	6	*9.5	*16.0	134	6	12	9.0	17.0	108	8	8	*9.0	*18.0	90	7	11	*7.5	*15.5	65	6	9	6.5	12.0	58	6	6	5.5	11.0	36	10	5	2.0	4.0	25	2	2	1.5	2.0
06	156	3	7	*10.0	*17.0	128	7	6	*10.0	*16.5	98	15	15	*13.0	*19.0	86	8	12	*11.0	*16.5	62	8	10	9.0	16.0	59	4	5	5.0	10.0	48	4	4	6.0	11.0	25	2	2		
07	153	5	5	*10.0	17.0	127	7	11	*10.0	17.0	100	14	24	*14.0	*22.5	84	9	8	*11.0	*15.0	53	4	14	9.0	14.0	49	4	6	6.0	7.0	43	2	3	4.0	6.5	25	4	2	1.0	2.0
08	155	5	7	*12.0	*15.0	126	8	14	*12.0	*18.5	104	10	24	*15.0	*22.5	82	10	7	*8.0	*10.5	43	8	9			33	6	6	7.5	13.0	40	4	5	5.5	9.0	27	3	4	2.0	3.0
09	155	4	7	*11.0	*17.0	125	9	14	*13.0	*19.0	94	16	10	*12.5	*20.0	80	8	6	*4.0	*4.0	39	7	9	5.0	9.0	35	6	6	7.5	11.0	36	4	4	4.5	9.0	26	3	4	2.0	4.0
10	155	4	8	*12.0	*16.0	122	8	12	*8.0	*16.0	94	13	11	*11.0	*18.5	79	5	3	*5.0	*5.0	37	10	6	4.0	7.0	33	4	6	4.5	8.5	34	4	5	2.5	6.0	27	2	4	3.0	5.5
11	155	6	6	*14.0	*17.0	126	4	10	*9.0	*17.5	96	10	10	*9.5	*22.0	78	6	2			36	8	6	5.5	11.5	31	3	3	5.5	8.5	34	4	5	4.5	8.0	27	4	2	3.0	5.0
12	157	4	6	*13.5	*22.0	128	4	7	*11.0	*16.0	99	6	18	*10.0	*17.0	78	4	2			31	12	4	8.0	14.0	31	7	7	5.0	7.0	34	2	6	6.0	9.0	27	4	2	4.5	7.5
13	159	2	6	*11.5	*16.5	130	4	6	*10.5	*17.5	97	9	9	*9.5	*15.0	80	10	4	*4.0	*5.0	33	3	5	4.0	16.0	31	4	4	5.0	6.5	34	3	4	6.0	10.0	29	5	4	3.5	6.0
14	161	2	6	10.0	16.0	132	4	6	9.0	16.5	100	10	6	*9.0	*16.0	80	11	3	*7.0	*9.5	35	10	6	10.0	15.5	33	6	4	3.5	6.0	36	4	8	4.5	9.0	29	4	2	5.0	8.0
15	161	3	5	10.5	16.0	132	6	8	8.5	15.0	104	8	9	*10.5	*17.5	82	16	4	*4.0	*4.5	37	10	6	10.0	15.0	37	7	4	8.5	14.0	41	3	5	2.0	7.0	29	6	2	4.0	5.0
16	161	2	7	10.0	15.5	130	6	8	*11.0	*16.0	104	10	8	10.5	18.0	84	12	7	*5.0	*7.0	37	13	6	5.5	9.0	43	8	10	6.0	10.0	44	3	2	5.0	8.0	31	2	4	3.5	5.5
17	159	4	8	9.5	15.0	130	8	6	*11.0	*16.5	102	11	8	*8.0	*15.5	84	13	6	*5.5	*7.0	47	7	7	4.0	6.0	51	4	14	6.0	10.0	48	6	1	3.0	5.0	31	2	3	5.0	8.0
18	157	4	5	10.0	16.0	130	6	6	*10.5	*17.0	108	9	4	8.0	15.0	92	4	5	5.5	9.0	55	7	5	7.5	13.0	61	2	4	8.0	13.0	52	4	4	4.0	9.0	29	4	2	7.0	7.0
19	157	3	7	11.0	17.0	132	8	4	10.0	15.0	114	4	6	6.0	14.5	95	4	5	5.0	11.0	63	6	8	7.0	11.5	63	4	4	3.0	6.0	51	7	1	3.0	6.5	26	3	1	3.5	5.0
20	155	4	8	11.0	17.5	134	4	6	8.5	14.0	114	4	6	6.5	12.5	95	4	7	5.0	8.0	65	4	8	5.0	10.5	65	4	6	5.0	9.0	50	6	10	3.5	6.0	25	2	2	3.0	4.0
21	155	4	8	*12.0	*17.0	134	6	6	9.0	15.0	112	4	6	7.5	15.0	94	2	7	5.0	8.5	65	2	8	6.0	11.0	67	4	6	4.0	7.0	48	6	14	2.0	4.0	25	2	2	3.5	6.0
22	154	5	7	11.0	17.5	134	4	6	8.0	16.0	114	4	6	*8.0	*15.0	94	4	6	5.5	11.0	65	2	8	6.0	11.0	61	6	4	4.5	8.0	43	10	10	4.0	6.0	27	0	4	2.0	2.5
23	155	4	8	11.5	18.0	134	4	8	9.5	15.5	114	6	7	6.5	12.5	94	6	7	5.5	11.0	65	4	10	5.5	10.0	61	5	0			44	8	6	5.0	6.5	25	2	2	1.5	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Month April 1962

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	159	4	4	12.0	17.5	139	4	6	9.0	15.0	117	5	4	5.5	12.0	96	6	4	5.0	9.0	67	2	6	6.0	11.0	61	2	6	4.0	8.0	51	6	10	2.0	3.0	24	2	2		
01	159	4	4	9.5	16.0	139	4	6	9.0	14.5	117	6	4	6.0	11.0	97	7	5	*6.0	*11.0	67	4	6	9.0	14.0	61	2	4	6.0	9.0	49	4	8	4.5	5.0	24	2	2	2.0	3.0
02	159	5	2	9.0	13.5	139	6	4	9.5	15.0	117	6	3	7.0	12.0	97	6	4	*6.0	*11.0	67	6	4	7.0	12.0	59	4	4	5.0	9.5	43	12	6	4.0	5.5	24	0	2	3.0	3.5
03	161	3	3	9.5	15.5	139	6	2	9.0	15.0	117	6	2	6.5	12.5	98	6	5	7.0	12.0	68	3	3	6.0	11.0	59	4	4	4.5	9.0	38	16	6	1.0	2.0	24	0	2	2.5	3.0
04	161	5	4	10.0	16.0	139	6	4	9.0	15.0	117	6	4	*7.5	*12.0	96	7	4	6.5	12.5	69	4	4	7.5	12.5	59	2	4	5.0	8.0	38	13	5	1.0	2.0	24	0	2	1.5	2.0
05	161	3	5	9.0	14.0	139	6	6	*9.0	*15.0	115	8	7	*8.5	*15.0	92	9	17	*8.5	*13.5	69	6	4	9.0	14.5	59	0	6	5.0	8.0	41	6	10	3.0	5.0	24	0	2	1.0	2.0
06	161	2	4	9.5	15.5	133	9	6	10.0	16.0	111	10	20	*14.0	*20.0	90	13	14	*7.0	*12.5	60	8	3	7.0	12.0	56	3	5	5.0	8.5	45	4	8	4.0	6.5	24	2	0	1.0	2.5
07	159	2	4	*9.0	*14.0	133	8	10	9.5	17.0	111	10	18	*9.5	*17.5	86	18	10	*6.0	*13.5	49	8	10	7.5	13.0	49	4	8	11.0	15.5	41	2	4	4.5	7.0	26	2	4	3.0	3.0
08	159	4	4	*11.5	*16.5	131	10	12	*12.0	*18.0	110	13	19	*10.0	*16.0	86	18	8	*8.0	*15.5	43	12	11	9.0	14.0	41	6	5	7.0	11.0	39	4	8	2.5	3.5	26	2	2	1.5	3.0
09	159	4	6	12.5	18.0	131	8	9	*11.0	*17.5	109	12	18	*12.0	*19.0	86	16	8	*6.0	*6.0	39	14	8	3.0	4.0	37	8	6	8.5	12.0	35	6	8	5.5	7.5	24	4	2	3.0	4.5
10	159	4	6	11.0	17.0	131	8	10	13.0	19.0	107	10	19	*12.5	*19.5	88	9	12	2.5	3.0	35	16	6	5.0	8.0	33	6	4	5.0	9.0	33	6	6	4.0	6.0	26	2	2	2.0	3.0
11	159	2	6	12.0	17.0	129	8	6	13.0	18.0	107	10	16	*14.0	*20.0	84	11	8	*4.0	*4.5	33	14	6	9.5	14.0	32	7	3	6.0	7.0	33	4	6	7.0	10.0	26	2	4	3.5	5.0
12	159	2	6	12.0	17.0	129	8	6	*10.0	*16.0	105	14	14	*11.0	*17.0	84	19	8	*3.0	*4.0	33	13	6	4.0	6.0	31	6	2	4.5	5.0	35	4	6	6.5	11.0	26	6	2	2.5	3.5
13	159	4	4	10.5	16.5	133	6	8	9.5	13.0	107	10	11	11.0	*16.5	86	10	6	*5.0	*6.0	35	15	7	3.0	4.5	33	14	4	4.0	5.5	37	2	8	5.0	7.0	26	4	2	3.0	4.5
14	161	4	4	*10.5	*16.0	135	8	10	11.0	15.5	109	12	14	*10.0	*17.0	88	11	6	9.0	12.5	37	22	6	9.0	15.0	35	16	6	11.5	10.5	39	4	8	3.5	5.5	26	4	2	3.0	4.5
15	163	4	5	10.0	15.5	135	9	8	10.0	16.5	109	17	12	10.0	17.0	90	14	6	8.5	12.5	44	13	15	7.0	12.0	38	13	7	5.5	8.0	41	6	2	2.0	4.0	28	6	2	3.5	5.0
16	163	3	4	9.0	15.0	135	8	7	*8.0	*14.0	111	12	12	11.0	17.0	88	15	5	7.5	9.5	40	19	9	7.0	12.0	43	10	9	6.0	9.0	45	4	4	3.0	5.0	28	4	0	3.5	5.0
17	161	4	4	9.5	15.0	135	6	8	*9.5	*16.0	109	10	11	13.0	18.0	90	10	8	7.5	13.0	47	10	8	6.0	11.0	51	4	8	6.0	10.0	49	4	8	2.0	3.5	28	6	2	3.0	5.0
18	159	4	4	9.5	15.0	135	7	6	10.0	16.0	111	10	7	9.0	15.0	94	7	8	7.0	11.0	57	6	10	6.5	11.0	57	6	4	4.5	6.0	50	3	7	4.0	6.0	28	6	4	3.5	5.5
19	159	4	5	10.0	15.0	137	5	7	10.5	15.0	117	4	5	9.0	14.0	97	6	5	8.0	13.0	63	4	6	6.0	11.0	60	5	5	2.5	3.5	51	2	4	3.5	4.5	25	5	3	3.0	4.0
20	161	2	5	10.0	15.0	139	2	6	8.0	13.0	117	4	6	7.0	11.0	96	7	4	5.5	9.5	65	4	4	7.0	11.0	61	4	4	4.0	7.0	51	2	6	3.5	7.0	23	3	1	1.5	2.5
21	159	5	3	*8.0	*13.0	137	4	4	8.5	13.0	117	4	4	7.0	12.0	96	8	4	5.0	9.5	65	4	4	6.0	11.0	61	6	4	5.0	8.0	51	4	6	4.0	6.0	22	2	0	2.0	2.5
22	159	5	4	9.0	14.5	137	7	6	8.5	15.0	117	6	5	8.0	13.5	96	6	4	5.0	9.0	65	2	4	6.0	11.0	63	2	6	4.0	7.0	51	4	8	3.0	6.0	22	4	0	1.5	2.0
23	157	8	2	11.0	17.0	138	5	5	7.0	10.5	119	5	6	7.0	12.5	96	9	3	4.5	9.0	65	4	4	6.0	11.0	61	4	6	6.0	9.5	51	4	6			24	2	2	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-RL

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Month May 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm
00	160	2	4	11.0	18.0	141	7	6	9.0	15.0	122	8	6	9.0	16.0	102	8	8	9.5	18.0
01	162	5	6	11.5	17.5	141	7	6	9.0	15.0	122	8	5	8.0	14.0	100	8	6	8.5	13.0
02	161	6	3	9.5	15.0	141	6	6	9.0	14.0	122	5	7	9.0	16.0	100	8	6	11.0	19.0
03	162	4	6	10.0	16.0	141	7	6	10.0	15.5	122	6	6	8.5	16.0	100	8	9	10.5	19.5
04	162	5	6	9.0	16.0	141	5	6	11.0	15.5	122	5	9	7.0	14.0	100	8	9	9.0	17.5
05	162	5	6	10.0	17.0	141	6	8	14.0	18.0	120	8	12	10.0	17.5	102	6	21	10.0	19.0
06	160	4	4	11.0	17.0	139	8	12	14.0	18.0	118	9	28	14.0	24.0	96	10	20	8.0	18.0
07	159	5	4	11.0	17.0	137	8	13	14.0	20.0	116	8	22	12.0	21.5	96	9	19	8.0	18.5
08	158	6	4	12.0	17.0	133	12	11	14.0	21.0	114	12	20	12.0	21.5	96	10	20		
09	158	6	5	15.5	22.0	137	6	16	15.0	23.0	115	11	25	14.5	27.0	92	14	16	14.0	24.0
10	156	8	4	12.0	17.0	131	14	10	15.5	21.0	105	23	19	15.0	27.0	90	16	14	12.5	18.5
11	157	7	5	14.0	17.0	132	17	10	14.0	20.0	108	23	17	14.0	24.5	87	23	11	14.5	24.0
12	158	7	4	13.0	18.0	135	13	13	12.0	18.0	113	18	19	12.5	20.0	90	22	14	11.0	18.0
13	160	6	4	11.0	17.0	135	14	8	11.5	18.0	115	19	19	10.5	17.0	96	18	18	11.0	18.0
14	162	7	4	10.0	17.0	137	12	9	11.0	20.0	120	12	21	12.0	20.5	98	15	18	10.0	18.0
15	162	6	2	11.0	17.0	139	8	8	8.5	16.0	118	10	14	13.0	18.0	96	13	15	7.0	13.5
16	164	2	4	11.0	18.0	141	6	10	11.0	18.0	118	7	8	12.0	19.0	96	13	12	10.5	14.0
17	164	3	3	9.5	15.0	137	8	7	11.0	18.0	112	14	10	13.0	20.0	93	11	13	12.0	19.5
18	160	5	3	9.5	15.0	135	9	5	9.0	17.0	114	10	9	11.0	18.5	94	10	6	10.0	17.0
19	160	5	4	10.0	16.0	137	8	7	10.0	15.5	116	10	6	9.0	16.0	95	9	7	9.0	13.5
20	162	2	5	9.0	15.0	139	6	6	9.0	14.0	120	7	6	8.5	14.0	98	7	7	8.5	15.5
21	162	5	4	7.5	12.5	140	7	5	7.5	13.0	120	7	6	6.0	10.5	98	9	5	7.5	13.5
22	160	6	4	8.5	14.0	139	8	4	8.5	13.0	122	8	6	8.5	14.0	100	10	6	8.0	14.0
23	160	7	4	11.0	17.0	141	6	8	8.0	12.5	122	7	6	8.5	12.5	100	8	7	6.5	12.5

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	69	3	6	4.0	7.0	61	2	4	3.0	5.5	53	2	4	2.0	4.0	26	4	4	1.5	2.0
01	69	4	7	4.0	9.0	61	3	4	4.0	7.5	51	2	6	2.0	3.5	26	4	4	1.0	2.0
02	69	6	6	5.0	9.0	61	4	2	4.0	7.5	53	4	6	2.0	4.0	26	2	2	1.0	2.0
03	69	6	6	5.0	9.0	61	6	4	4.0	7.5	51	6	4			26	4	4	2.0	3.0
04	69	8	4	6.0	11.0	61	4	2	4.0	7.5	49	4	6	2.0	3.5	26	2	2	1.5	2.5
05	71	6	4	6.0	10.0	59	4	4	4.0	7.5	47	2	4	1.5	3.0	26	2	2	3.0	4.5
06	63	6	14	10.0	15.5	56	3	5	4.0	8.0	45	4	4	3.0	5.0	26	4	2	2.0	2.5
07	57	10	20	9.5	16.0	49	7	6	7.0	11.0	41	2	4	3.0	5.0	26	4	2	2.0	3.0
08	49	16	18	14.0	18.0	43	12	6	2.5	3.5	37	4	4	1.5	2.5	28	2	4	1.5	2.5
09	45	16	16	6.0	8.5	42	13	11	2.0	2.5	37	4	8	3.0	5.5	26	6	4	2.0	3.0
10	39	27	10	5.0	9.0	39	12	6	3.0	4.0	35	8	8	4.0	5.0	26	7	2	2.0	3.0
11	37	31	8	9.5	14.5	39	25	8			35	16	8	3.5	7.0	28	9	4	2.0	3.0
12	39	39	8	3.5	5.0	37	25	6	2.0	2.5	35	14	6	3.0	4.0	31	7	5	2.0	3.5
13	45	30	16	8.0	11.0	39	28	8	2.0	2.5	37	14	8	3.0	5.0	28	16	2	2.5	4.0
14	51	28	20	3.5	5.0	43	22	9	5.0	7.0	41	10	6	5.0	8.5	30	8	2	2.5	4.0
15	54	19	17	10.0	14.0	45	12	8	6.0	8.5	45	4	4	4.0	6.0	30	6	2	4.0	6.0
16	55	11	18	9.0	15.5	49	10	6	5.0	8.0	48	5	3	4.5	7.0	32	2	4	3.5	5.5
17	52	13	11	7.5	11.5	53	6	4	5.5	8.0	50	3	3	3.0	5.5	32	2	4	4.0	6.0
18	57	11	5	6.5	11.5	59	6	3	3.0	5.0	51	4	3	4.0	5.5	32	2	5	2.5	4.0
19	66	7	8	6.0	9.5	61	4	4	3.0	6.0	52	3	5	2.5	4.0	28	6	4	3.0	4.0
20	67	9	7	6.0	10.0	63	4	3	2.0	4.0	51	6	2	2.0	4.0	26	5	4	2.5	3.5
21	67	7	5	5.0	9.0	63	4	2	2.0	4.0	53	2	4	2.0	4.0	26	2	4	2.0	3.0
22	68	6	6	5.0	9.0	61	4	2	3.5	6.0	53	3	4	2.0	5.0	26	4	2	2.0	3.0
23	69	4	7	4.0	7.5	63	0	5	2.5	4.5	51	5	2	2.5	4.0	26	3	2	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
$D_ℓ$ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month January 19 62

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	145					119					92					80					48					48					32					36				
01	147					120					97					79					50					50					32					47				
02	148					120					95					75					48					52					32					55				
03	147					120					92					75					46					50					36					37				
04	145					119					91					73					44					52					32					41				
05	146					119					89					70					46					50					34					36				
06	144					118					85					63					44					50					36					32				
07	145					114					73					53					44					48					36					44				
08	142					107					70					54					34					42					36					36				
09	141					101					67					53					34					36					36					31				
10	138					99					69					53					30					32					36					34				
11	138					95					72					52					28					30					40					37				
12	139					94					71					55					32					47					45					45				
13	141					101					73					61					34					40					53					39				
14	139					99					77					53					32					44					40					42				
15	137					97					76					59					35					46					56					33				
16	137					97					75					67					36					52					60					44				
17	141					103					76					57					41					59					44					40				
18	139					107					78					64					44					56					34					50				
19	138					111					80					67					45					56					34					39				
20	141					117					82					70					45					57					43					32				
21	139					117					88					73					47					56					41					40				
22	145					115					90					75					47					52					39					46				
23	145					117					94					80					47					52					41					50				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month February 1962

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	148	7	5			121	10	12			97	10	13			83	11	13			51	12	8			59	6	13			49	12	24			32	18	4		
01	150	4	7			123	9	9			95	14	13			80	16	9			50	13	6			59	6	11			43	19	15			32	16	3		
02	150	3	4			123	9	7			95	13	10			79	17	8			50	13	8			61	4	13			41	18	13			32	19	3		
03	150	2	5			123	7	6			93	13	7			77	13	8			51	12	8			61	5	15			40	18	15			30	19	2		
04	148	3	3			123	6	5			93	12	10			79	10	18			52	9	9			61	4	11			47	8	19			34	16	6		
05	148	3	4			121	6	5			89	13	8			71	10	9			47	14	4			60	3	14			41	4	14			30	20	1		
06	148	2	4			119	3	8			83	9	7			63	10	10			46	9	4			55	5	16			45	6	16			32	18	4		
07	146	3	3			113	7	7			75	7	8			*55					42	4	5			50	7	12			46	4	14			34	16	4		
08	144	4	4			107	9	5			71	17	9			*55					36	3	2			43	6	14			44	4	15			36	14	6		
09	142	4	2			101	10	4			71	14	9			52	9	3			36	2	2			37	5	12			41	4	18			36	14	6		
10	142	4	2			99	13	5			73	14	14			53	6	4			36	4	2			35	4	12			39	6	17			36	14	6		
11	140	10	2			97	23	2			70	19	9			*53					36	2	1			33	4	9			39	8	15			36	14	6		
12	142	10	2			*100					77	8	12			*58					36	2	0			34	4	9			41	4	9			36	14	6		
13	144	8	6			104	9	9			81	6	18			57	4	8			38	3	4			35	4	12			42	7	14			40	10	9		
14	144	9	5			107	15	14			81	11	19			57	8	6			38	2	2			36	6	12			45	4	15			35	15	4		
15	144	10	6			105	18	12			77	17	15			57	4	8			38	4	2			37	10	10			49	4	18			36	24	4		
16	144	5	7			109	13	13			79	16	17			59	11	8			38	5	3			47	4	18			53	6	18			34	16	4		
17	145	2	8			111	12	11			87	11	18			65	17	14			40	11	4			55	6	12			53	8	21			32	16	4		
18	146	3	7			121	4	17			93	8	18			69	17	14			48	10	10			59	4	6			53	10	17			32	18	4		
19	146	4	8			120	7	16			91	13	20			77	10	18			52	6	12			59	6	14			41	18	11			31	20	3		
20	148	4	9			123	4	14			97	8	19			77	13	11			52	8	10			61	2	15			41	20	19			32	18	4		
21	148	5	7			122	8	11			94	14	17			77	7	12			54	6	11			59	6	12			49	10	24			32	17	4		
22	148	7	7			123	9	11			93	14	10			83	12	16			50	12	6			59	8	20			45	17	25			30	21	2		
23	149	6	5			122	10	7			95	14	8			79	19	9			52	10	9			59	10	11			48	12	23			32	17	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month March 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm
00	152	8	2	11.0	18.0	122	9	3	9.0	16.0	103	10	12	7.5	14.0
01	152	6	2	12.0	18.0	124	11	8	10.5	17.0	100	14	9	8.0	15.0
02	152	5	3	11.5	18.0	124	7	8	10.0	17.0	101	14	8	7.5	13.0
03	152	5	3	11.0	17.5	124	7	8	8.5	16.5	97	16	8	8.0	16.5
04	150	7	3	12.5	19.0	122	4	5	10.0	16.5	95	14	10	*8.5	*16.0
05	150	5	4	12.5	19.0	118	9	4	10.5	17.0	85	19	6	8.5	13.0
06	148	6	3	12.5	19.0	116	10	6	10.5	18.5	77	15	6	*9.0	*13.5
07	148	6	6	11.5	17.0	108	14	6	11.0	17.5	73	22	4	7.0	7.5
08	148	5	6	12.5	18.5	104	18	8	11.0	18.0	73	22	6	4.0	7.5
09	148	6	6	12.0	17.0	104	15	12	12.0	19.0	75	17	6	*7.0	*11.5
10	148	7	4	10.5	15.0	105	14	11	11.0	17.5	79	10	11	4.5	10.0
11	149	7	5	11.0	17.0	107	12	11	12.0	18.0	79	14	10	6.0	9.0
12	150	5	5	11.5	17.0	107	14	9	9.0	16.5	78	15	7	3.5	6.0
13	148	6	3	10.0	16.0	108	11	10	11.0	18.0	80	23	9	*3.0	*6.0
14	150	4	6	10.0	15.5	108	13	11	9.5	16.0	77	25	6	4.5	7.5
15	148	6	4	11.0	17.5	107	18	13	10.5	17.0	79	26	9	2.5	6.0
16	146	8	3	11.5	17.0	109	19	13	11.0	17.0	77	26	8	3.5	6.0
17	148	5	6	12.0	18.0	112	16	11	9.5	15.5	89	14	8	5.0	11.0
18	150	5	6	11.0	17.0	118	11	9	9.0	16.5	97	14	12	7.5	13.5
19	152	4	8	12.0	19.0	122	9	8	8.5	16.5	102	10	17	7.5	14.0
20	152	4	6	12.0	18.0	122	9	7	10.0	17.5	100	15	10	10.0	17.5
21	152	6	6	13.0	19.0	122	10	6	8.5	15.0	101	10	12	9.0	14.0
22	152	6	5	12.5	19.0	122	9	7	8.5	15.0	102	11	8	9.5	17.5
23	152	6	4	12.5	18.0	124	10	8	8.5	14.0	101	18	8	9.0	15.0

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00						59	14	4	5.0	8.5	58	8	4	6.0	10.0										
01						59	13	5	5.0	9.0	56	8	2	*7.5	*12.5										
02						61	10	7	*5.5	*10.5	58	5	4	6.0	10.0										
03						59	10	4	*6.0	*9.5	58	6	4	*5.0	*8.0										
04						59	6	8	*4.5	*7.5	58	6	6	5.5	9.0										
05						53	9	4	5.5	7.5	52	8	3	*5.5	*8.0										
06						49	5	4	*3.5	*5.5	50	5	6	5.0	9.0										
07						47	6	4	*4.0	*5.5	42	4	2	4.0	6.0										
08						45	8	2	3.0	5.0	40	4	4	3.5	5.0										
09						47	5	5	*4.0	*7.0	38	6	2	*3.0	*4.5										
10						48	17	5	*4.0	*5.0	40	10	4	3.5	5.0										
11						53	12	8	*3.5	*4.5	41	9	5	*3.0	*5.5										
12						51	14	4	*4.0	*5.5	40	10	4	*3.0	*5.0										
13						51	14	5	*3.0	*5.0	40	10	4	4.0	6.0										
14						52	13	7	*3.5	*5.5	40	10	4	*3.5	*5.0										
15						51	14	6	*4.0	*5.0	42	9	3	*3.5	*5.5										
16						51	13	6	*4.0	*6.0	44	10	4	*4.0	*6.0										
17						51	8	4	*5.0	*7.0	50	6	5	5.0	9.0										
18						57	10	5	4.5	7.0	56	7	5	6.0	10.0										
19						59	12	7	5.0	7.0	58	5	6	5.0	9.5										
20						59	14	6	6.0	9.0	58	5	6	6.5	10.0										
21						59	14	6	*5.0	*8.0	58	5	4	*5.5	*9.5										
22						59	12	4	*5.0	*8.0	58	5	4	5.0	10.0										
23						59	13	4	*7.0	*9.0	58	6	5	7.0	12.0										

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month April 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm
00	156	7	6	11.5	19.0	130	11	11	9.5	18.0	107	12	15	9.0	15.0
01	156	7	6	11.5	17.5	131	8	11	10.0	18.0	106	12	14	9.0	15.0
02	156	6	6	11.5	18.0	131	8	10	10.0	17.0	110	8	16	8.5	16.0
03	156	7	6	12.0	18.0	131	8	10	10.0	17.5	110	7	16	9.0	15.5
04	155	6	5	10.5	17.0	127	10	8	11.0	17.5	102	11	16	9.0	18.0
05	154	6	3	12.0	17.5	126	8	11	9.0	16.0	90	18	18	7.0	12.5
06	153	5	5	10.5	16.0	121	10	12	9.0	17.0	86	17	19	5.5	11.0
07	154	4	8	11.5	17.0	118	15	16	11.0	17.5	86	17	19	5.5	9.5
08	152	6	4	11.5	17.5	114	15	12	12.0	18.0	84	19	16	5.0	9.0
09	151	7	4	12.0	18.0	117	12	10	11.5	18.5	86	14	16	6.0	11.0
10	152	7	4	11.5	16.5	119	10	12	11.0	18.5	90	15	19	7.5	12.0
11	152	8	3	11.5	16.5	119	14	10	10.0	17.0	88	22	15	7.5	12.5
12	154	7	4	12.0	17.5	121	14	12	10.0	17.0	92	19	20	6.0	14.0
13	156	8	6	11.0	17.0	125	10	11	10.0	16.5	90	22	16	5.5	15.0
14	156	10	6	11.5	17.0	125	10	11	10.0	17.0	91	21	16	6.0	8.5
15	156	8	6	11.5	17.0	127	9	9	9.0	16.0	92	21	17	6.0	14.5
16	155	9	5	11.0	16.0	125	11	12	10.0	16.5	94	18	20	6.0	12.0
17	154	10	4	10.5	16.5	129	5	16	8.0	14.5	100	16	21	6.0	11.5
18	152	11	4	12.0	18.0	130	8	15	10.0	15.0	104	14	22	7.5	14.0
19	155	9	6	11.0	17.5	131	12	10	8.5	15.0	111	7	13	6.0	12.0
20	154	11	4	11.0	16.5	131	12	8	9.0	14.5	110	10	15	7.5	13.5
21	154	12	4	12.0	17.5	130	13	5	10.5	17.5	108	13	10	7.0	14.0
22	154	12	5	12.0	17.0	131	8	11	9.0	18.0	106	10	17	9.0	15.0
23	158	6	9	11.5	16.5	132	7	12	10.0	16.0	111	9	17	8.0	13.5

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00						68	7	12	4.0	8.5	56	6	4	6.0	11.0										
01						66	9	11	6.0	11.0	55	8	3	5.0	9.5										
02						64	11	8	4.5	7.0	54	8	3	*4.0	*9.0										
03						65	10	9	6.0	9.0	56	5	2	5.0	9.0										
04						65	8	11	6.5	13.5	56	6	6	5.0	8.5										
05						55	10	5	*4.0	*7.5	50	8	4	6.0	9.5										
06						49	7	4	*3.0	*6.0	42	7	2	3.5	6.5										
07						47	3	4	3.0	4.5	38	6	5	3.0	5.0										
08						45	2	2	2.0	3.0	38	5	4	3.0	4.5										
09						47	8	4	*2.0	*3.5	38	4	4	2.5	4.5										
10						47	8	4	2.5	4.5	38	7	4	2.5	4.5										
11						47	8	3	2.0	3.5	40	6	6	3.0	4.5										
12						47	16	3	2.0	3.5	40	8	5	2.5	5.0										
13						47	16	2	2.0	3.5	41	7	6	3.5	6.0										
14						49	13	5	*2.5	*4.5	42	5	7	*2.0	*4.5										
15						49	12	4	2.0	4.0	44	4	8	*4.0	*7.0										
16						49	19	3	2.5	5.0	44	8	6	3.0	6.0										
17						51	17	4	3.0	5.0	48	8	4	5.0	8.5										
18						59	7	7	6.5	11.5	46	8	6	4.5	9.0										
19						66	9	9	5.5	11.0	58	6	5	*5.5	*10.0										
20						67	8	11	*6.0	*11.0	58	8	6	5.0	9.0										
21						66	11	10	5.5	9.5	56	10	4	5.0	9.0										
22						65	10	9	5.0	10.0	56	10	5	*4.5	*8.0										
23						66	9	11	*5.0	*8.5	56	10	4	5.0	10.5										

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month May 1962

Frequency (Mc)

Hour (LST)	.013					.051					.160										2.5					5															
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	162	6	6	9.5	16.0	138	6	9	6.5	11.0	118	7	5	6.0	12.0						74	4	7	4.0	7.5	64	5	5	4.5	8.5											
01	160	8	4	10.0	17.0	136	9	6	7.0	12.5	117	6	5	5.5	10.0						72	6	8	5.5	8.5	62	6	6	5.5	9.5											
02	160	7	4	9.0	15.5	134	9	5	5.5	11.0	116	6	6	6.0	12.0						72	7	10	5.0	10.0	60	6	5	5.5	10.0											
03	158	9	5	9.5	16.0	132	10	5	9.0	15.5	114	4	12	6.0	14.5						70	8	6	6.5	12.0	60	6	6	5.5	9.5											
04	157	7	5	10.0	16.5	128	10	6	8.5	15.0	104	15	19	8.0	16.0						62	10	8	5.0	9.0	58	7	6	5.0	9.0											
05	158	6	7	11.0	17.5	128	9	10	9.0	16.0	102	18	18	7.5	14.5						54	7	9	3.0	6.0	52	8	6	4.0	7.0											
06	158	6	8	11.0	18.0	126	11	12	11.0	17.5	100	19	28	8.5	16.5						52	5	9	2.0	3.0	44	9	5	4.5	5.0											
07	156	7	6	10.5	17.0	126	10	13	11.0	19.0	98	23	16	9.5	18.5						48	6	6	2.5	3.5	42	7	4	2.5	4.0											
08	154	10	3	12.0	18.5	126	10	11	12.0	20.0	100	19	18	10.0	17.0						48	6	4	*2.0	*3.0	40	9	4	2.0	4.0											
09	156	9	6	12.0	19.0	125	12	10	12.0	19.5	100	26	18	9.0	17.5						48	6	4	*1.0	*2.0	40	5	4	2.0	3.5											
10	160	7	8	12.0	18.5	128	7	9	11.0	19.0	106	16	26	9.0	19.0						48	6	3	1.5	3.0	40	6	2	*2.0	*4.0											
11	160	5	8	12.0	18.0	130	13	10	10.0	17.5	106	18	22	8.5	16.5						48	6	2	2.0	3.0	40	10	2	2.0	4.0											
12	162	10	8	12.0	17.0	132	16	9	9.0	14.5	106	25	20	9.0	15.0						48	19	2	1.5	3.5	42	20	2	*2.0	*5.0											
13	164	10	7	10.0	16.0	134	16	8	7.5	14.0	110	22	16	8.0	16.5						56	25	10	*2.5	*3.5	44	23	4	2.5	6.5											
14	166	8	10	9.0	14.5	138	12	10	8.5	14.5	119	17	16	9.0	16.0						57	21	9	*3.0	*7.0	46	16	4	4.5	5.5											
15	166	6	8	10.0	16.0	140	8	12	7.5	15.0	120	14	14	7.5	13.0						54	25	6	*1.5	*3.5	52	12	8	*3.0	*6.0											
16	166	6	10	9.5	15.0	140	6	14	7.0	12.0	122	10	16	*9.0	*15.0						55	25	7	*2.0	*3.5	54	12	12	3.0	8.0											
17	166	6	10	8.0	14.0	140	7	15	6.5	12.0	120	9	15	7.5	14.0						58	24	6	2.0	3.5	58	7	12	*4.0	*7.5											
18	166	5	9	8.0	12.5	140	6	12	7.0	12.0	120	10	11	6.0	12.5						64	7	9	3.5	6.0	62	4	8	4.0	7.0											
19	164	6	7	7.0	13.0	138	8	7	5.0	9.5	120	9	8	5.0	9.0						70	4	7	3.0	5.0	66	4	7	4.0	6.0											
20	164	4	10	8.0	13.0	142	4	11	5.0	10.0	121	9	7	5.0	9.0						74	5	4	3.0	5.5	68	4	9	3.0	6.0											
21	164	4	10	8.0	14.0	142	4	10	5.0	10.0	122	7	10	4.0	9.0						74	6	7	3.0	6.0	68	2	8	3.5	7.0											
22	164	5	8	8.0	14.0	140	6	8	5.0	11.0	120	9	7	4.5	9.0						75	5	8	4.0	8.0	68	2	8	4.0	7.5											
23	162	5	4	8.5	14.5	138	7	6	5.0	11.0	120	7	9	4.5	10.0						76	2	9	4.5	9.5	66	4	7	4.5	8.0											

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month March 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	156	4	2	8.5	12.0	130	5	5	10.0	15.0	107	7	8	10.5	17.5	89	9	9	10.0	17.5
01	156	4	2	7.5	11.5	128	6	4	9.0	15.0	105	8	7	8.0	14.0	87	10	10	7.5	14.5
02	156	4	1	7.0	12.5	130	4	5	*8.0	*13.5	105	8	6	*8.0	14.0	87	9	9	9.0	17.0
03	156	4	2	8.5	13.5	128	6	4	*8.5	*15.5	103	9	6	8.5	13.5	83	11	6	8.5	15.0
04	156	4	2	8.0	15.0	126	9	4	*10.0	*15.0	101	11	5	*9.0	*17.0	85	10	8	*7.5	*15.0
05	156	4	3	9.5	14.5	126	8	6	*8.0	*12.0	99	8	7	*10.5	*16.5	75	17	7	*11.5	*21.0
06	156	4	2	9.0	14.5	122	5	8	*9.0	*15.0	85	17	8	*10.0	*17.5	41	24	2	*15.0	*19.0
07	154	4	4	10.0	15.5	114	12	6	*11.0	*16.0	75	13	12	*15.5	*25.0	41	20	2	*15.0	*19.5
08	152	6	2	10.0	16.0	110	14	5	*8.0	*20.0	69	28	6	*17.0	*23.5	41	23	2	*12.5	*17.0
09	152	7	4	*12.0	*19.0	110	14	8	*12.5	*20.5	79	24	18	*15.0	*24.0	41	22	2	*17.0	*25.5
10	152	8	6	*14.0	*20.0	112	16	11	14.0	22.5	75	31	8	*12.0	*20.0	47	14	6	*13.0	*21.0
11	150	10	4	*12.5	*18.5	114	13	6	*14.0	*19.5	77	30	8	*9.0	*14.0	47	19	6	*10.0	*8.0
12	152	9	3	13.0	19.0	120	10	10	13.0	20.5	83	22	9	*8.5	*15.5	47	24	3	*9.5	*14.0
13	154	8	4	11.5	20.0	122	10	6	*10.5	*17.0	89	22	12	*14.0	*23.0	47	37	6	6.0	7.5
14	154	9	3	*11.5	*17.5	124	15	6	*8.5	*14.5	91	17	13	*10.0	14.5	47	23	3		
15	156	8	6	*10.0	*16.0	124	16	8	*11.5	*17.0	95	26	23	*10.5	*17.0	49	37	9	*8.0	*14.0
16	156	6	3	*10.0	*16.0	126	8	12	*9.5	*16.5	97	17	24	*7.0	*14.0	49	35	7	*6.5	*12.5
17	156	6	3	8.5	16.0	126	5	8	8.5	15.5	99	12	19	7.0	16.0	59	22	11	*7.0	*15.5
18	156	4	4	*9.0	*17.5	126	6	13	8.0	15.0	105	8	8	7.0	16.0	83	8	8	*6.0	*12.5
19	156	6	4	10.0	16.0	128	9	7	9.0	16.5	109	6	8	8.5	17.5	91	7	8	*6.5	*14.0
20	158	6	5	10.0	15.5	130	6	7	8.0	16.0	109	6	8	*9.0	*15.5	91	9	7	*7.5	*12.5
21	156	5	3	10.0	14.5	130	7	6	9.0	15.5	107	7	5	8.5	16.0	91	8	4	*7.5	*13.5
22	156	4	2	8.5	13.5	130	4	5	*10.0	*17.0	107	6	5	8.5	17.5	89	8	6	8.0	16.5
23	156	4	2	8.5	12.5	130	3	5	*10.0	*16.0	107	5	6	*8.5	16.0	89	9	8	*8.0	*16.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm*	Ldm*
00	60	10	6	8.0	15.0	55	6	4	6.5	11.0	44	2	4	4.0	7.0	21	2	1		
01	60	10	8	7.0	13.0	55	6	4	5.0	8.0	42	6	2	4.0	5.5	21	2	1		
02	60	11	7	8.0	13.0	55	8	6	*6.0	*10.0	42	6	3	*3.5	*6.5	21	2	1	2.5	3.5
03	58	13	4	7.5	13.0	55	7	4	5.0	7.0	42	4	4	*3.0	*7.5	23	0	4	2.5	3.5
04	56	14	4	*7.5	*12.5	53	10	4	*4.0	*5.0	40	2	4	4.5	7.0	21	2	0	2.5	3.5
05	54	15	2	*8.0	*14.5	57	6	6	*3.5	*6.0	38	5	4	*3.5	*5.5	21	2	2	2.5	4.0
06	54	12	6	*7.5	*11.5	53	8	4	*4.0	*5.0	42	8	6	3.5	5.5	21	2	2	2.5	4.0
07	28	14	5	*7.5	*11.0	51	9	8	*4.0	*7.0	38	6	4	*3.5	*5.0	22	3	1	3.0	4.0
08	22	14	4	*7.0	*7.0	27	15	11	*5.5	*9.0	32	8	2	*5.0	*7.5	21	3	0	3.0	4.0
09	20	8	2	*3.5	*4.0	23	14	8	*7.0	*10.0	30	6	4	3.0	5.0	21	4	2	2.5	3.5
10	18	10	0			24	15	9	*5.0	*6.5	26	8	4	*9.5	*12.5	21	2	2	3.5	5.0
11	20	12	2	*7.5	*12.0	19	14	6	*9.0	*11.0	24	7	6	*11.5	*15.5	21	2	2	2.5	4.5
12	18	13	0	*7.5	*11.0	19	11	6	*5.0	*7.0	24	8	4	*6.0	*9.0	21	2	2	4.0	6.5
13	20	20	2	*3.5	*5.0	21	18	6	*7.5	*10.5	30	10	10	*7.0	*10.0	21	3	2	4.0	6.0
14	18	22	0	*7.5	*12.5	25	19	10	*5.0	*9.0	32	6	4	*7.0	*12.0	21	6	2	4.5	7.0
15	*18			*6.5	*11.0	*30			*6.0	*12.0	*36			*5.5	*10.0	25	4	6	3.5	7.5
16	24	27	6	*7.0	*11.5	41	12	16	7.0	12.5	42	4	4	5.0	8.5	25	6	4	3.5	6.0
17	38	16	14	7.0	10.0	47	9	10	7.0	12.0	44	6	4	4.5	8.0	25	8	4	4.0	6.0
18	52	10	13	*5.5	*11.5	53	9	8	*5.0	*9.0	46	6	4	*5.0	*9.0	23	6	2	3.0	5.0
19	60	12	5	6.5	11.5	57	8	8	*6.0	*12.0	46	4	4	5.0	8.0	21	3	1	3.0	4.0
20	60	7	10	7.5	13.5	59	4	4	6.5	11.5	46	4	4	*4.5	*7.5	21	3	1	3.0	4.0
21	62	9	7	7.5	13.5	57	6	4	*6.0	*10.5	44	4	2	4.0	7.5	21	2	2	2.5	3.5
22	62	8	8	9.0	16.0	55	9	4	*6.5	*12.5	42	4	2	4.0	7.5	21	2	2	2.5	3.5
23	62	6	8	*7.5	*14.0	55	7	4	7.0	11.5	44	2	4	4.0	7.0	21	2	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month April 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	158	0	3	8.0	12.0	128	5	2	8.0	13.5	105	8	2	7.5	12.0	85	9	4	7.0	12.0	57	6	6	5.5	9.0	52	5	6	4.5	7.5	41	4	4	4.0	6.5	23	0	1		
01	158	2	2	*8.0	*12.0	129	4	3	9.0	13.5	105	6	2	8.0	13.0	84	9	3	7.5	13.5	56	10	6	5.5	11.0	52	6	8	5.5	8.5	41	4	7	4.0	7.0	23	0	2		
02	156	4	0	7.5	11.5	130	4	3	8.5	13.5	107	5	4	7.0	12.0	85	8	4	7.0	12.0	56	8	5	6.0	10.5	52	6	5	4.0	7.5	40	5	3	4.5	7.5	23	0	1	2.5	4.5
03	156	4	0	8.0	12.0	128	6	2	9.5	14.0	107	4	4	7.0	12.0	84	9	5	7.0	12.0	55	10	6	6.0	10.0	54	6	6	*5.5	*8.5	41	8	6	*3.5	*6.5	23	0	1		
04	156	4	2	9.0	13.5	130	4	5	8.5	13.0	105	6	6	7.0	12.0	85	8	4	*6.5	*10.0	56	8	7	6.0	11.0	54	4	6	4.0	8.5	39	5	4	4.0	6.5	23	0	0		
05	156	4	2	9.0	13.5	128	6	4	8.0	13.5	103	7	5	8.0	13.5	81	7	6	7.5	12.5	55	8	6	5.5	10.0	54	4	8	*5.5	*9.5	35	8	4	*3.0	*5.0	23	0	0		
06	156	4	2	9.0	14.0	124	5	5	*8.0	*12.5	93	9	6	*7.5	*12.0	56	10	11			53	8	7	5.0	9.0	54	4	8	*5.0	*9.5	37	7	4	3.5	5.0	23	0	0		
07	154	4	2	9.5	14.0	118	5	3	7.5	12.0	71	11	8	*7.5	*11.0	41	10	2	*3.5	*5.0	37	4	8	*6.5	*11.0	44	4	5	*4.5	*8.0	37	6	4	3.0	5.0	23	2	0	3.0	4.0
08	152	4	2	10.0	16.0	114	6	6	10.5	16.0	69	14	10	8.5	10.5	41	13	2	*2.5	*4.5	25	8	6	*4.5	*7.0	26	10	7	*4.0	*6.0	31	4	3	2.5	5.0	23	3	0	*3.5	*4.0
09	152	2	3	11.5	17.5	110	9	4	13.0	18.0	69	15	6	*11.0	*10.0	41	14	2	3.5	4.5	21	13	2	*4.0	*6.0	20	11	6	*8.0	*13.0	26	6	6	3.5	6.0	23	2	2	3.0	4.5
10	152	4	3	11.0	17.0	114	6	8	12.0	18.5	69	22	4	*11.5	*18.5	47	6	8	*4.0	*6.0	19	13	0	*4.0	*5.0	18	12	4	6.0	7.5	23	6	6	4.0	6.0	23	2	2	*2.5	*4.5
11	152	2	4	13.0	18.5	114	8	6	*15.0	*22.0	73	10	8	*10.0	*15.5	51	2	11			19	12	0	*3.5	*5.0	18	10	4	*5.0	*7.5	19	10	6	*3.0	*4.5	21	4	2	3.0	5.0
12	152	2	4	12.5	19.0	114	10	4	13.0	20.0	71	20	6	*9.0	*12.0	49	2	6	*2.5	*4.5	19	4	0	*4.0	*6.0	16	8	2	3.5	6.5	20	11	5	*5.0	*7.0	23	2	4	3.5	5.0
13	153	3	4	12.0	18.5	116	8	5	*11.5	*18.0	75	14	10	9.0	13.5	49	4	6	*8.0	*11.0	19	2	0	*3.0	*5.0	18	7	5	3.5	5.0	23	12	8	5.0	7.0	23	3	2	*4.0	*6.0
14	154	2	4	12.5	19.5	118	7	6	9.5	16.5	72	16	5	*7.0	*11.0	45	9	6	*3.0	*5.0	19	3	0	*2.5	*4.5	18	8	4	*4.0	*5.5	27	4	6	6.5	9.0	23	4	2	*4.0	*6.5
15	154	3	2	*9.5	*15.0	116	9	4	7.5	13.5	72	19	7	*8.5	*14.0	41	11	2	*4.0	*6.0	19	11	0	*4.0	*4.5	20	10	4	*6.0	*8.5	33	8	6	*4.0	*6.0	23	6	0	4.0	6.0
16	156	2	2	9.5	15.5	118	7	4	8.0	14.0	74	15	11	9.0	13.5	43	10	4	4.0	6.5	24	13	5	*6.0	*8.5	26	15	6	8.0	11.0	34	6	7	4.0	6.5	25	4	2	3.5	5.0
17	156	0	3	8.0	13.5	116	9	4	8.5	14.0	83	13	10	11.5	16.0	67	7	4	*6.5	*13.0	33	12	8	7.0	12.5	38	9	4	6.0	10.0	41	4	6	5.0	7.5	25	4	2	*3.0	*4.5
18	155	1	3	8.0	12.0	119	7	7	9.0	15.0	93	12	12	9.0	16.5	77	9	5	*5.5	*10.5	47	8	8	9.0	14.5	42	13	4	*6.5	*11.0	39	8	2	*3.5	*6.0	23	4	2	*2.5	*4.0
19	156	2	2	8.5	12.0	121	9	4	10.0	16.5	97	11	5	9.0	16.0	81	8	4	*6.0	*11.0	52	10	8	7.5	13.0	52	6	6	6.0	10.0	43	4	4	3.0	5.5	23	0	2	*2.5	*3.5
20	156	3	2	8.5	12.0	126	5	3	9.0	14.5	101	8	3	8.0	14.0	84	8	3	*6.0	*12.5	55	10	6	7.0	11.5	52	7	6	*5.5	*10.0	42	4	5	4.0	7.0	22	1	1	*2.5	*4.0
21	158	1	4	8.5	12.0	128	2	4	8.0	12.5	103	7	3	8.0	12.5	86	6	5	*5.5	*9.5	57	8	6	6.0	10.0	54	5	6	*5.0	*7.5	43	9	6	3.5	7.0	23	0	2	*2.5	*3.0
22	158	1	4	7.5	11.0	128	4	2	7.0	11.5	105	6	6	7.0	11.5	83	8	4	6.0	10.0	57	8	7	6.0	9.0	52	6	4	*6.0	*9.0	43	6	6	*4.0	*7.5	23	0	2		
23	156	4	2	8.0	12.0	129	3	3	8.5	14.0	105	4	4	7.5	12.0	85	7	4	7.0	12.0	57	6	4	6.0	10.0	52	6	4	5.0	8.5	41	4	4	*4.0	*7.0	23	0	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month May 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	156	2	2	*7.5	*12.0	134	2	6	9.0	14.5	106	8	6	7.0	12.5	86	8	8	6.5	11.0
01	156	4	4	8.0	12.0	132	6	4	*8.5	*11.0	106	8	6	7.5	13.0	86	8	6	7.0	12.5
02	156	4	4	8.0	12.5	134	4	6	8.5	12.5	106	6	6	6.5	11.0	84	8	6	5.5	9.5
03	156	2	4	8.5	13.0	132	6	4	9.0	14.0	106	8	6	7.5	12.5	82	10	4	6.0	11.0
04	154	4	2	8.5	12.5	132	6	4	8.5	14.0	106	6	10	7.5	12.5	84	6	6	*5.0	*9.0
05	154	6	2	9.0	13.5	132	4	4	9.0	13.5	102	6	10	7.5	12.5	80	6	6	5.5	10.5
06	154	4	2	9.5	15.0	132	4	6	9.0	15.5	94	12	4	*11.0	*16.5	66	14	14		
07	154	2	4	*9.5	*12.0	122	6	4	9.5	15.5	72	6	6	*15.5	*25.5	44	8	28	*8.5	*14.0
08	150	4	2	10.0	15.0	118	8	6	10.0	15.0	68	30	10	*11.5	*16.5	44	6	26	*3.5	*6.0
09	152	2	4	11.0	17.5	116	6	8	*13.5	*20.0	70	12	10	*6.0	*12.5	44	16	2	*14.5	*26.0
10	150	2	4	*11.5	*16.0	114	8	8	*11.0	*16.5	70	14	10	*13.5	*23.5	52	6	6		
11	150	4	4	*11.5	*17.5	112	10	4	*14.0	*17.0	72	8	8	*8.0	*11.0	54	14	4		
12	152	2	6	*11.5	*18.0	116	6	6	*12.5	*22.0	72	14	8	*14.5	*23.0	52	18	8	*3.5	*8.0
13	152	2	6	*13.0	*19.5	118	6	6	*11.5	*19.0	72	20	10	*7.0	*12.5	54	10	10	*10.0	*15.0
14	152	2	2	*14.0	*21.0	116	6	2	*11.5	*19.0	*78			*10.0	*19.0	*50				
15	152	2	2			120	4	4	*12.0	*18.0	*78			*15.0	*22.0	54	12	8	*2.5	*4.0
16	150	4	2	9.0	15.5	120	8	4	*11.0	*17.5	86	16	12	*10.5	*18.5	60	10	10	*9.0	*11.5
17	154	2	4	7.5	12.5	122	10	6	10.0	16.0	92	10	12	*12.5	*21.0	76	12	8	*6.5	*12.5
18	154	2	4	8.0	12.5	124	8	6	12.0	19.5	94	14	6	13.0	23.0	82	10	6	*7.5	*13.5
19	156	0	4	7.0	11.5	128	4	6	*11.0	*17.5	102	6	10	10.0	17.5	84	8	4	*6.5	*11.0
20	156	2	2	7.5	11.5	130	6	4	9.5	15.0	104	6	6	11.5	9.0	88	6	6	*4.5	*9.5
21	156	2	2	7.5	11.5	132	4	4	7.5	14.0	104	8	8	7.5	13.5	88	6	6	4.5	10.5
22	156	2	2	7.0	11.5	132	4	4	7.5	13.5	106	6	8	7.5	12.0	88	6	10	6.0	10.5
23	156	2	2	7.0	11.0	134	2	6	9.0	13.5	108	4	10	6.5	11.5	86	6	6	5.5	11.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm*	Ldm*
00	58	6	6	6.0	10.5	50	6	6	6.0	11.5	40	6	8	*5.0	*8.0	22	2	0		
01	56	11	12	5.0	9.0	50	6	6	*5.0	*8.5	38	6	10	*4.5	*6.0	22	2	0		
02	56	12	8	*6.5	*11.5	50	6	12	6.0	12.5	38	6	6	*5.0	*7.0	22	2	2	2.5	3.5
03	54	8	8	6.0	10.5	50	6	6	*6.5	*12.5	38	4	8	*6.0	*9.0	22	2	0		
04	52	10	8	6.0	9.5	50	6	8	*8.0	13.0	38	2	10	*5.5	*8.5	22	2	0		
05	50	8	6	5.5	10.5	50	4	10	*7.5	*13.5	35	7	5	4.0	6.0	24	0	2		
06	48	10	6	*4.0	*7.0	48	6	8	*4.0	*8.0	35	5	7	*3.5	*5.5	24	0	2	2.5	3.5
07	38	12	6	*7.5	12.5	42	8	6	*3.5	*6.0	38	5	10	*2.5	*4.5	24	2	2	2.5	3.5
08	24	16	4	*6.0	10.0	30	14	6	*5.0	*7.5	32	8	4	*4.0	*6.0	24	2	4	2.5	4.5
09	22	20	4	*5.5	7.5	20	16	4	*4.0	*6.0	28	4	2	*4.0	*5.5	22	4	0	3.0	4.5
10	22	12	4	*5.5	7.5	20	12	6	*7.5	*10.0	26	4	4	*4.0	*6.5	22	6	2	2.5	4.5
11	20	12	2	*5.5	8.0	20	12	4	*5.0	*7.0	24	8	2	*3.0	*4.5	22	4	2	2.5	4.5
12	18	20	0	*4.0	6.0	18	14	2	*4.5	*7.0	26	6	4	2.5	4.5	22	2	2	4.5	6.5
13	20	18	2	*14.5	20.0	24	10	8			26	6	2	*3.0	*4.0	22	2	2	3.5	6.0
14	22	10	4	*5.0	7.5	22	16	4	*9.0	*21.0	34			*3.5	*6.0	*24			3.0	5.0
15	*32			*6.5	10.5	*30			*10.5	*18.0	*36			*4.0	*6.0	24	4	2	3.0	4.0
16	38	8	14	*8.5	15.0	36	10	6	*5.0	*8.5	40	4	8	3.0	5.5	24	4	2	3.5	5.0
17	42	12	8	*9.5	16.0	40	16	6	*7.5	*12.0	40	6	8	3.5	4.5	22	4	0	2.5	3.5
18	50	14	6	9.0	16.5	44	12	6	*8.5	*15.5	38	8	6	*3.5	*6.0	22	2	2	2.5	3.5
19	52	12	6	9.0	13.5	48	8	8	6.0	10.0	42	6	6	*3.5	*6.0	22	2	2		
20	54	12	0	5.5	10.5	50	8	10	6.5	10.0	38	10	6	*5.5	*8.0	22	2	2		
21	56	10	10	7.0	11.0	54	6	6	*6.5	*10.5	40	6	8	*3.5	*6.5	22	2	0	4.0	5.5
22	58	8	12	5.5	9.0	52	6	12	6.5	11.5	38	6	6	4.5	7.5	22	2	0	2.5	3.5
23	58	6	8	6.0	11.0	52	4	10	*7.0	*12.5	38	8	6	*3.0	6.5	22	2	0	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Month March 1962

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	4	4	9.0	14.5	116	4	2	7.0	12.0	99	4	4	4.0	9.0	75	18	4	4.0	6.5	59	4	4	5.5	8.5	56	6	4	4.0	9.0	36	10	4	3.0	5.0	20	0	2	1.0	3.0
01	152	2	3	10.0	16.0	116	5	2	7.5	12.5	103	8	6	3.5	8.0	75	22	4	4.0	7.5	57	6	4	5.6	9.0	54	8	4	6.0	7.5	34	10	2	*2.0	*4.0	20	0	2	1.5	3.0
02	152	2	4	10.0	15.5	116	4	2	7.0	11.5	105	2	8	3.0	7.0	73	19	2	4.0	7.5	55	4	4	4.0	7.5	54	4	4	3.0	5.0	34	13	2	2.5	4.5	20	0	1	1.0	3.0
03	152	3	4	11.0	16.5	116	2	4	7.0	12.0	105	2	8	4.0	8.0	71	21	4	5.0	7.5	55	8	4	4.5	7.5	52	9	6	3.0	5.5	34	8	4	2.0	3.5	20	0	0	1.5	3.0
04	152	2	4	11.0	17.5	115	3	4	8.0	13.0	106	5	11	4.0	8.0	67	9	2	4.5	7.5	55	6	4			50	6	2			34	5	4	*2.0	*3.5	20	0	0	1.5	3.0
05	152	2	5	11.5	18.0	112	5	6	10.0	16.5	103	10	18	3.0	7.0	63	6	4	3.0	5.0	53	4	5	5.0	8.0	52	4	2	5.0	8.5	36	8	2	*6.0	*8.0	20	0	2	1.5	3.0
06	150	4	5	11.0	18.0	108	5	9	12.0	17.0	95	7	9	5.0	8.0	61	13	4	1.0	3.0	49	5	5	4.5	8.0	50	6	2	2.0	4.0	40	12	4			20	0	2	1.5	3.0
07	146	6	4	12.0	19.0	102	8	6	*9.0	*13.5	95	5	6	5.0	10.0	63	9	6	*2.5	*4.0	45	12	9	5.5	11.0	48	4	4	1.0	2.0	45	6	7	*2.0	*4.0	20	2	2	1.5	3.0
08	144	4	3	11.0	17.5	98	10	8	*12.0	*16.5	97	5	9	5.5	9.5	57	4	2	*2.0	*4.0	37	2	4	2.0	4.0	42	4	4	3.0	6.0	44	5	4	*6.5	*8.5	20	1	2	2.0	3.5
09	144	4	4	11.5	17.5	96	17	5	*8.0	*11.0	95	8	6			55	3	5	*2.5	*4.0	35	6	4	3.0	6.0	38	2	5	4.0	6.0	42	10	6	*5.5	*8.0	20	3	2	*2.0	*3.5
10	144	2	4	9.0	15.0	97	12	7	7.0	11.0	93	7	8	5.0	9.0	55	2	4	*3.5	*6.0	34	5	4	1.5	3.5	39	7	7	7.0	10.0	*42			*0.5	*1.0	20	3	2	*1.5	*3.5
11	146	2	4	9.5	15.0	*98			8.5	12.0	92	4	7	2.5	5.0	*53			3.0	5.0	35	4	4	3.5	5.0	34	6	4			*42					20	4	2	*2.0	*3.0
12	146	4	4	7.0	12.0	*99			*4.5	*8.5	93	6	8	6.0	11.0	53	4	4	*0.5	*2.0	*35			3.0	5.5	*34			11.0	15.0	*40					22	2	3	2.0	4.5
13	147	3	3	7.0	11.5	*98			*6.0	*10.0	93	4	6	7.0	12.0	53	6	2	*2.5	*4.5	37	2	6	3.0	5.0	37	5	8	5.0	7.0	*50					22	4	2	2.5	4.5
14	148	0	2	6.0	10.0	98	8	6	6.5	9.0	91	8	8	9.0	13.0	55	11	3	*3.0	*5.0	37	4	4	2.0	4.0	40	6	6	1.0	3.0	48	6	10			22	3	2	3.5	5.0
15	148	2	2	6.0	10.0	101	8	7	6.5	10.5	91	6	7	4.5	8.5	57	4	2	2.0	4.0	39	4	4	3.5	5.5	38	5	5	3.5	5.5	48	8	4			22	4	2	2.5	4.5
16	148	2	4	6.0	10.0	108	2	10	11.0	16.0	93	6	8	5.0	9.0	65	6	6	1.5	3.5	39	5	3	3.0	6.0	45	13	5	3.5	6.5	52	8	8	*4.0	*6.0	20	5	0	2.0	4.0
17	147	1	3	6.5	10.5	108	6	6	10.0	16.0	93	4	5	3.0	10.0	71	6	4	*1.5	*3.0	46	7	3	3.5	6.0	50	4	2	3.0	6.0	46	15	6	*4.0	*6.5	21	3	1	2.5	4.0
18	148	2	4	5.0	9.5	112	4	4	6.0	10.5	96	5	7	4.5	8.5	71	10	4	*2.0	*4.0	53	4	4	4.0	6.5	56	16	2	4.0	7.0	44	24	2	*3.5	*6.5	20	2	2	1.5	3.5
19	149	3	3	5.5	10.0	114	4	4	5.5	9.0	97	4	6	6.5	11.0	73	14	4	1.5	3.5	55	6	2	4.0	7.0	56	11	2	2.0	4.5	52	18	12	*4.0	*6.0	20	0	2	1.5	3.5
20	150	2	4	6.0	11.0	114	3	4	5.0	9.5	97	9	4	6.0	10.0	73	10	2	*2.0	*4.0	57	8	2	3.5	6.5	56	4	4	2.5	5.5	42	21	2	*3.0	*4.5	20	1	2	1.5	3.0
21	150	2	4	7.0	11.0	115	3	3	7.0	11.0	99	6	6	4.0	9.0	73	16	4	3.0	5.5	57	8	2	3.5	6.0	56	6	4	2.5	5.0	40	6	6	2.0	4.5	18	2	0	1.0	3.0
22	152	2	4	7.0	12.0	116	4	3	6.0	10.5	99	11	6	3.5	7.0	75	21	6	3.5	6.0	57	6	2	3.5	6.5	56	8	4	1.5	4.0	38	9	5	3.0	5.0	18	2	0	1.5	3.0
23	152	2	4	9.0	14.5	117	4	3	7.0	12.0	100	7	7	4.5	9.0	75	18	4	3.0	5.5	59	4	6	5.0	6.5	56	5	5	4.0	7.0	38	6	6	3.5	6.0	20	0	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Month April 1962

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_l	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_l	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_l	.160 V_{dm}*	.160 L_{dm}*	.495 F_{am}	.495 D_u	.495 D_l	.495 V_{dm}*	.495 L_{dm}*
00	152	2	2	9.0	15.0	117	10	4	7.5	12.0	95	11	8	3.0	7.0	86	10	13	0.5	3.0
01	151	3	1	10.0	15.5	117	7	4	7.5	12.0	103	4	8	7.5	12.0	85	12	12	1.0	3.0
02	151	3	3	10.0	16.0	115	8	4	8.5	13.5	101	6	12	6.0	12.0	85	9	14	3.5	5.5
03	150	2	2	10.0	16.5	115	6	5	7.0	12.0	103	7	5	5.0	10.5	69	16	4	1.5	3.5
04	150	2	4	10.5	16.0	109	8	2	10.0	16.0	99	12	16	4.5	8.0	61	8	2	4.0	5.5
05	148	2	2	11.0	17.0	107	6	6	10.0	16.0	85	8	8	4.5	8.0	59	9	6	2.0	4.5
06	144	6	4	11.0	17.0	101	12	6	*10.5	*15.5	89	4	6	4.5	8.5	59	10	8	2.0	4.0
07	144	5	3	11.0	17.0	99	25	8	*11.5	*15.5	89	8	4	4.5	9.0	55	2	4	2.5	5.0
08	144	5	2	11.0	16.5	103	10	8	*11.0	*15.0	91	7	9	3.5	8.0	54	7	3	3.0	5.0
09	146	4	4	11.0	16.0	*104			*13.5	*18.5	87	10	8			53	2	4	3.0	6.0
10	148	5	4	10.5	15.5	*107			*13.5	*20.0	89	6	8			55	6	2	3.0	6.0
11	148	4	6	*9.0	*15.0	108	17	5	*13.0	*19.0	*87			3.5	6.0	55	13	4	3.0	5.5
12	150	4	6	8.0	13.5	109	17	6	*13.0	*19.0	88	10	3	5.0	9.0	54	12	3	3.0	5.5
13	150	6	4	*7.5	*13.0	112	16	7	*12.5	*18.0	89	13	6	7.0	12.0	55	7	3	1.0	3.0
14	152	4	4	8.0	12.0	113	13	10	*11.5	*16.5	89	15	6	5.5	9.0	55	4	4	3.5	5.5
15	152	6	4	7.5	12.0	113	13	9	*14.5	*19.0	87	12	4	6.0	13.0	57	10	4	3.0	5.0
16	150	6	2	6.5	11.0	111	14	5	*13.0	*19.0	89	12	6	5.0	9.5	59	8	2	3.5	5.5
17	150	4	2	7.0	12.0	113	10	7	*12.5	*19.0	91	8	10	5.0	8.5	61	13	2	2.0	4.0
18	148	4	2	7.5	11.5	111	11	2	*11.0	*15.5	91	10	4	4.5	8.5	69	9	6	3.0	5.0
19	150	2	2	6.5	11.5	115	10	4	9.0	14.5	95	6	4	4.0	8.0	69	12	4	2.5	3.5
20	150	4	2	7.0	12.0	117	8	4	8.0	13.0	97	8	6	5.0	9.0	75	12	6	1.0	3.0
21	150	4	2	8.0	12.0	119	8	5	7.0	12.0	103	6	12	4.0	9.0	81	8	10	0.5	1.5
22	150	4	2	8.5	13.5	119	9	5	7.0	12.0	99	9	7	6.0	10.0	82	13	9	3.5	6.0
23	152	2	4	9.0	15.0	119	7	5	8.0	13.5	103	6	8	5.0	10.0	83	14	10	1.0	4.0

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_l	2.5 V_{dm}*	2.5 L_{dm}*	5 F_{am}	5 D_u	5 D_l	5 V_{dm}*	5 L_{dm}*	10 F_{am}	10 D_u	10 D_l	10 V_{dm}*	10 L_{dm}*	20 F_{am}	20 D_u	20 D_l	20 V_{dm}	20 L_{dm}
00	61	12	6	7.0	13.0	55	4	4	4.0	7.0	40	10	8	3.0	6.0	20	0	2	1.5	3.0
01	*61			6.5	12.0	55	4	6	3.5	7.0	38	10	6	2.0	5.0	20	1	2	1.5	3.0
02	*59			6.0	10.0	53	6	5	4.0	7.5	37	9	5	3.5	6.0	20	1	2	1.5	3.0
03	*59			5.5	10.5	53	6	6	5.0	9.0	34	6	2	2.0	4.0	18	2	0	1.5	3.0
04	*59			6.0	11.0	51	4	4	5.5	9.5	40	7	7			20	2	2	1.5	3.0
05	*53			4.5	7.5	48	4	3	3.0	7.0	42	2	9	3.0	5.0	20	1	2	1.5	3.0
06	39	10	4	5.0	7.5	43	9	4	5.5	8.0	42	8	7			19	3	3	1.5	3.5
07	36	9	3	8.5	13.0	39	9	4	7.5	9.5	*44					20	3	2	1.5	3.0
08	32	9	3	6.0	8.5	39	8	8	9.5	10.5	44	10	6	7.0	10.0	20	2	2	*2.0	*3.5
09	*33			9.0	13.0	*35			7.5	9.5	*40					20	4	4	2.0	3.5
10	*34			2.0	4.0	31	12	6	12.5	18.5	*38					20	4	2	*2.0	*3.5
11	34	5	7	2.5	5.0	*31			6.0	11.0	*38					22	2	4	1.5	3.5
12	*35			4.5	7.0	30	9	7	8.0	13.0	*46					22	2	4	*2.0	*4.0
13	35	6	8	4.0	7.0	31	12	6	12.5	18.0	*49			1.0	2.0	22	3	3	2.0	4.0
14	33	4	5	4.5	7.0	35	8	7	8.5	11.5	*50			7.0	12.0	22	4	2	2.0	4.0
15	37	4	6	5.0	6.0	37	9	6	5.0	8.0	48	11	4			22	3	4	2.5	4.5
16	*37			2.0	4.0	43	3	5	5.0	7.0	54	5	12	5.0	10.5	22	4	4	2.5	4.0
17	43	12	8	4.0	7.0	47	6	4	6.0	10.0	48	16	6	4.0	7.0	20	6	2	2.0	4.0
18	*55			4.0	7.5	53	3	2	3.0	5.5	52	18	10	3.5	6.5	20	5	2	2.0	4.0
19	*59			2.0	7.0	57	4	4	2.5	7.0	50	18	12	4.0	6.5	20	4	2	2.0	4.0
20	*61			5.0	10.0	57	8	2	4.0	7.0	48	15	9	3.0	5.0	18	4	1	1.5	3.5
21	*63			4.5	9.5	57	6	4	4.5	7.5	46	26	6	3.0	6.0	18	2	2	1.5	3.5
22	*61			5.5	9.5	58	5	5	3.0	7.0	44	4	8	3.0	5.5	18	2	0	1.5	3.5
23	*63			7.5	12.0	57	6	6	3.5	6.5	44	8	12	2.5	5.5	18	2	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Month May 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	6	2	9.5	15.5	122	9	6	10.0	16.0	106	8	4	*6.0	*12.0	73	13	6	*5.0	*9.0	64	7	5	*5.5	*11.0	58	6	4	*4.0	*7.5	49	6	6	3.0	5.5	20	0	2	1.5	3.5
01	152	5	3	10.0	16.0	120	11	5	11.0	17.0	108	4	4	*6.0	*11.5	71	12	6	10.0	14.5	63	6	8	*5.5	*11.0	56	6	3	*4.0	*6.5	51	4	6	2.5	5.0	20	0	3	1.5	3.5
02	152	3	2	9.0	15.0	116	10	4	10.5	17.5	106	4	7	*4.0	*10.0	67	6	9	*4.5	*8.0	61	8	4	*7.0	*12.0	55	5	3	*3.0	*5.0	49	7	8	2.0	4.5	20	0	2	1.5	3.5
03	152	2	5	10.0	16.0	112	8	2	8.5	14.0	86	20	9			57	8	6	*3.0	*5.0	59	10	5	*8.0	*13.0	54	5	4	*4.0	*7.0	49	7	7	*2.5	*5.0	20	0	2	1.5	3.5
04	150	2	5	10.5	17.0	110	6	4	13.5	19.0	80	6	6	*5.5	*8.5	59	9	6	*2.5	*5.0	*51			*6.5	*13.0	46	10	2	*4.5	*7.0	47	6	8	*2.0	*5.0	20	2	2	1.5	3.5
05	146	6	4	10.5	17.0	104	9	5	*9.0	*14.0	86	4	6	*3.0	*6.0	53	5	4	2.5	4.5	*44			*2.5	*8.0	44	8	6	*4.5	*7.5	49	4	8	*1.5	*3.0	20	2	2	2.0	4.0
06	144	6	2	11.5	17.5	100	12	6	13.0	19.0	90	4	6	*1.5	*5.0	51	4	2	*2.0	*4.0	*43			*7.0	*13.0	42	5	4	*1.0	*3.5	46	8	5			20	2	2	2.0	4.0
07	146	4	4	11.0	17.5	102	8	8	12.5	18.0	86	6	4			51	2	2	*3.0	*5.5	*37			*4.0	*8.5	36	6	2	*3.0	*4.5	43	6	4	*4.0	*6.5	20	2	2	2.0	4.0
08	146	5	2	11.5	17.0	108	7	7	*15.0	*21.5	86	6	7	*4.0	*7.0	53	2	4	*3.5	*5.5	33	5	4	*4.0	*6.0	34	8	2	*3.0	*5.0	41	10	3	*5.0	*10.0	20	4	2	2.0	4.0
09	148	6	2	11.5	16.5	108	10	6	*11.5	*19.0	86	6	8	*3.0	*7.0	53	2	4	3.5	5.5	32	6	2	*4.5	*7.5	34	7	5	*5.0	*7.0	39	7	4	*3.5	*6.0	20	5	2	2.5	4.5
10	150	5	4	11.0	17.0	116	8	10	12.0	18.5	87	8	5	*4.0	*8.0	53	6	4	*3.0	*5.0	31	4	4	*5.5	*9.0	32	8	4			43			*2.5	*6.5	22	4	4	2.0	4.0
11	153	7	5	11.0	17.0	118	8	6	*12.0	*19.0	92	7	9	*12.0	*17.5	55	11	4	*6.0	*9.0	31	4	2	*6.0	*8.5	36	6	6	*6.0	*8.0	45	6	4	*4.5	*8.5	22	5	4	1.5	4.5
12	154	8	4	11.0	16.5	121	10	7	13.0	19.0	90	8	5	7.0	*12.5	54	12	5	*2.0	*3.5	33	3	4	*5.5	*8.0	36	9	5	*5.5	*10.0	*44			*11.0	*15.5	22	4	4	3.0	5.0
13	156	6	4	11.0	16.0	123	10	5	13.5	20.0	91	10	10	9.5	14.0	56	11	6	*4.5	*7.5	33	3	5			36	9	10	*4.0	*9.0	47	2	4	*5.0	*8.5	22	4	4	2.5	5.0
14	156	6	4	10.0	15.5	124	10	8	13.0	19.0	94	8	8	*8.5	*12.5	55	14	4	*6.0	*8.5	33	4	4	*4.5	*6.5	40	6	10	5.0	9.5	49	6	9	*7.0	*11.0	22	6	4	2.0	4.5
15	156	6	6	11.0	16.5	124	8	10	13.0	19.0	94	8	10	10.0	16.0	57	14	6	*5.5	*8.0	35	4	2	4.0	7.0	44	5	12	*7.5	*12.0	51	6	6	*4.5	*9.0	24	4	6	3.0	5.5
16	154	8	2	9.5	14.5	124	8	11	13.5	20.5	92	10	8	9.0	13.5	59	5	6	*9.0	*4.0	39	6	4	*4.0	*7.0	46	6	6	6.0	9.5	53	6	6	*4.0	*8.0	22	4	4	2.0	4.5
17	153	7	3	10.5	15.5	122	10	8	12.5	19.5	92	8	8	*10.0	*15.0	61	6	6	*4.0	*6.0	43	7	8	4.0	8.0	50	8	6	*4.0	*9.0	51	6	6	*4.5	*9.0	24	4	6	3.0	5.5
18	152	8	3	11.0	16.0	123	7	14	13.5	20.5	91	11	7	7.5	12.5	65	4	5	*2.0	*4.0	*51			*5.5	*9.0	54	6	4	4.0	7.5	49	4	5	*4.5	*8.0	22	5	3	2.0	4.0
19	152	5	4	10.0	15.0	118	8	10	14.0	21.0	94	5	12	*9.0	*14.0	67	4	3	*3.0	*5.5	53	6	4	*4.5	*8.5	56	6	6	3.5	7.0	49	5	4	4.0	8.0	24	2	5	2.0	4.0
20	150	7	1	8.5	13.5	120	10	8	11.0	16.5	100	6	12	*6.0	*10.0	73	4	4	3.0	5.0	*59			*5.0	*8.5	60	6	4	*4.0	*8.0	49	24	6	*5.0	*8.0	22	4	4	2.0	4.0
21	152	5	2	9.0	14.0	124	8	8	9.5	15.0	106	4	10	*7.0	*10.0	75	9	5	4.5	7.0	63	6	4	*5.5	*9.5	60	6	5	*4.0	*8.0	49	22	8	*8.5	*14.0	20	5	2	2.0	3.5
22	152	6	2	9.5	15.0	123	9	6	11.0	16.0	108	2	4	*6.0	*9.5	75	13	8	*8.0	*13.0	65	4	6	*6.0	*11.5	60	4	4	*4.5	*7.0	47	28	4	*4.0	*7.0	20	3	2	1.5	3.5
23	152	4	2	10.0	16.0	123	9	7	10.5	17.0	106	8	4	*7.5	*11.5	73	16	8	*2.0	*4.0	65	2	5	5.0	9.5	58	6	4	*1.5	*5.0	53	14	7	2.0	5.0	20	2	3	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMR-NBS-FL

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Month March 19 62

Hour (LST)	.135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	102	6	7			86	6	5			70	6	10			63	4	6			40	7	2			23	0	1												
01	102	7	7			86	7	6			68	7	8			63	3	7			39	8	1			23	0	1												
02	101	9	6			84	10	5			68	8	8			62	4	6			39	4	2			23	1	1												
03	100	12	6			82	12	6			68	8	8			62	5	6			39	4	2			23	1	0												
04	101	10	8			81	12	7			64	11	6			59	8	5			37	3	2			23	1	0												
05	94	17	4			75	18	6			62	14	6			57	8	3			37	2	2			23	1	0												
06	90	10	6			64	11	5			54	10	8			54	9	5			39	4	3			23	1	0												
07	86	10	4			58	7	2			44	8	4			47	10	4			41	6	3			23	1	0												
08	86	11	7			57	6	3			38	8	2			39	7	2			37	6	2			25	0	1												
09	85	12	4			58	6	4			36	5	3			36	5	4			36	5	2			25	0	1												
10	86	11	3			58	6	3			34	4	2			34	3	4			35	6	3			24	2	0												
11	85	11	2			59	6	4			34	3	4			32	5	2			34	6	2			24	2	1												
12	85	12	4			57	7	3			34	2	3			32	5	1			35	10	1			24	3	1												
13	85	13	4			58	10	3			34	3	2			33	9	2			37	8	2			25	2	1												
14	87	11	4			58	7	3			34	4	2			35	7	4			38	9	2			25	2	1												
15	86	11	5			58	7	3			35	6	1			37	10	3			41	6	2			25	2	1												
16	88	12	7			59	8	3			38	8	2			43	11	3			46	7	3			26	1	2												
17	88	13	5			60	10	3			45	10	3			53	7	4			49	8	3			26	2	2												
18	94	8	6			69	9	7			59	10	5			59	7	5			50	6	3			25	3	1												
19	97	11	5			76	11	8			63	11	5			61	8	4			49	4	5			24	2	1												
20	100	8	6			82	8	8			68	8	8			63	7	5			46	6	5			22	1	1												
21	101	7	8			86	7	8			69	8	7			63	7	4			45	5	5			22	1	1												
22	103	7	9			86	9	6			70	7	6			63	5	4			42	7	3			22	1	0												
23	103	8	9			86	10	6			70	7	8			64	4	6			41	7	3			23	0	1												

Frequency (Mc)

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Month April 19 62

Frequency (Mc)

Hour (LST)	.135 Fam	.135 Du	.135 Dℓ	.135 Vdm	.135 Ldm	.500 Fam	.500 Du	.500 Dℓ	.500 Vdm	.500 Ldm	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm
00	112	9	14			87	9	11			68	9	12		
01	108	8	10			87	8	12			69	8	14		
02	108	7	11			86	10	13			69	8	14		
03	108	7	11			85	10	14			68	9	13		
04	105	10	9			85	8	16			66	10	11		
05	101	10	12			73	17	12			62	12	11		
06	89	12	7			60	11	6			48	8	9		
07	89	13	6			58	9	3			42	10	3		
08	88	13	6			57	7	3			32	6	2		
09	89	11	6			57	6	2			30	4	2		
10	90	17	7			58	7	3			30	6	2		
11	87	21	3			59	11	3			30	6	2		
12	88	27	5			59	19	2			30	11	2		
13	89	26	6			60	22	2			30	14	2		
14	91	27	7			60	22	3			31	14	3		
15	93	26	9			61	19	4			31	10	3		
16	94	24	10			62	19	5			37	14	3		
17	94	21	10			62	18	4			42	16	5		
18	95	18	8			62	18	5			52	14	8		
19	105	8	12			70	18	8			62	14	10		
20	111	8	10			79	12	10			69	8	12		
21	114	6	12			84	9	11			69	10	12		
22	114	7	13			86	7	9			69	10	12		
23	112	10	15			87	8	10			67	12	9		

Hour (LST)	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	63	8	10			39	7	3			23	0	1												
01	63	8	11			38	6	2			23	0	1												
02	63	8	10			38	5	3			23	0	1												
03	60	9	7			37	4	2			23	0	1												
04	59	9	8			37	3	3			23	0	0												
05	58	9	7			36	4	1			23	0	1												
06	51	8	7			38	8	2			23	0	1												
07	44	8	6			40	6	4			23	1	1												
08	38	7	4			37	7	3			24	1	1												
09	34	9	4			35	7	3			24	0	1												
10	32	12	2			34	8	3			23	1	1												
11	32	10	2			34	6	3			23	1	1												
12	32	12	4			32	8	3			23	2	1												
13	32	16	3			33	7	4			23	3	1												
14	34	16	4			34	8	4			24	3	2												
15	36	16	6			37	9	5			24	3	2												
16	42	18	4			41	9	4			24	2	1												
17	49	14	7			44	9	4			24	3	2												
18	58	10	7			46	11	4			24	3	1												
19	63	11	9			47	9	4			24	4	1												
20	66	7	10			46	7	5			23	2	1												
21	65	8	9			43	9	4			22	1	0												
22	65	7	9			41	9	4			22	1	0												
23	62	11	7			39	7	3			23	0	1												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Month May 19 62

Hour (LST)	.135 Fam	Du	Dℓ	Vdm	Ldm	.500 Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	120	3	11			93	7	9			77	5	8			70	4	7			47	5	7			23	2	0												
01	118	5	9			92	7	11			76	6	7			69	5	5			45	6	6			23	2	0												
02	116	7	8			90	8	10			74	8	8			67	5	7			43	6	4			23	1	1												
03	113	10	8			89	8	9			73	7	8			66	5	7			42	6	3			23	0	1												
04	113	10	10			85	10	12			69	7	7			63	6	6			39	8	4			23	0	1												
05	102	13	10			65	10	8			53	6	7			58	7	6			39	9	3			23	0	1												
06	102	11	14			62	10	7			44	7	5			52	7	5			41	9	3			23	0	1												
07	100	12	13			61	12	5			38	5	4			47	7	5			41	8	6			23	0	1												
08	98	16	12			60	14	3			30	8	2			39	8	5			38	8	5			23	2	0												
09	98	16	9			60	13	2			29	11	2			37	7	6			36	9	4			23	1	1												
10	98	16	9			61	13	4			29	10	2			36	5	6			35	9	4			23	2	1												
11	99	18	10			62	23	4			29	21	3			35	9	6			34	9	3			23	2	1												
12	99	23	11			64	33	6			29	31	2			36	18	5			37	9	5			23	3	2												
13	103	23	11			70	33	10			30	36	3			38	20	6			38	10	6			23	4	1												
14	109	21	13			72	33	10			34	35	3			41	21	7			43	9	9			24	6	2												
15	112	19	13			76	>29	12			37	34	9			44	19	6			48	6	11			24	10	1												
16	112	19	12			73	33	10			37	34	8			51	16	7			49	7	6			25	10	2												
17	114	16	16			75	30	12			44	28	12			58	11	9			53	4	7			26	8	3												
18	113	>24	16			76	>26	13			54	15	14			63	7	8			56	4	9			26	4	2												
19	114	>13	16			79	>20	14			65	11	12			68	7	8			56	5	8			26	7	2												
20	117	>10	12			87	>15	11			76	9	10			72	5	8			57	5	10			25	10	2												
21	119	8	9			92	>9	9			77	7	8			73	3	9			55	5	10			24	8	2												
22	119	6	7			93	8	8			78	5	8			71	5	8			53	5	11			23	7	0												
23	119	5	8			92	8	8			78	3	7			70	4	8			49	6	10			23	2	0												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0N Long. 159.7W Month March 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	8	4	12.0	19.0	129	13	3	13.0	21.0	106	16	4	10.0	17.5	85	19	5	10.0	20.0	57	19	3	*7.5	*14.0	65	5	6	*6.0	*11.5	44	6	7	3.0	6.0	25	2	2	1.0	3.0
01	153	6	4	12.0	19.0	131	11	4	13.0	21.5	106	16	2	12.0	20.0	87	18	9	*11.0	*19.0	61	14	8	8.5	14.0	65	6	3	*5.5	*11.5	42	6	6	3.0	5.0	25	2	2	1.5	3.0
02	153	9	3	11.5	17.5	131	10	4	13.0	21.0	106	15	4	12.0	21.0	87	16	7	10.0	20.0	61	15	8	*10.0	*17.0	65	5	4	*7.0	*13.0	40	4	6	3.5	6.0	25	2	2	2.0	3.5
03	153	8	2	11.5	18.0	131	11	3	12.5	22.0	108	15	7	12.0	20.5	87	16	11	*10.5	*20.0	63	13	12	8.0	15.0	55	16	8	7.0	11.0	36	7	3	3.0	5.5	25	1	2	1.5	3.0
04	153	8	2	11.0	17.5	131	9	3	13.0	20.5	108	13	7	11.5	19.5	87	16	10	*10.0	*19.0	59	17	7	8.0	14.0	51	8	4	7.5	11.0	34	4	3	2.0	4.0	25	1	1	1.5	3.0
05	155	5	4	10.5	16.5	131	10	4	13.0	21.0	108	11	8	12.0	22.0	87	15	12	11.0	20.0	63	11	10	*7.0	*14.5	51	13	4	7.0	11.5	32	7	2	2.0	4.0	25	0	2	2.0	3.5
06	155	4	4	10.5	16.0	131	7	4	13.0	20.0	100	18	8	*12.0	*19.0	76	24	16	*10.0	*17.5	61	12	9	8.5	14.0	51	11	4	6.5	10.5	34	3	4	2.5	4.0	25	1	2	2.0	3.5
07	153	6	2	10.0	17.0	121	13	4	11.0	18.0	90	27	14	10.0	15.5	66	33	17	*4.5	*6.5	49	20	9	7.0	12.0	49	10	5	*6.5	*10.5	38	4	2	4.5	7.0	25	4	2	2.0	3.5
08	151	8	3	11.5	18.0	114	20	7	11.0	17.5	90	27	18	*12.0	*21.5	62	35	13	*6.5	*9.0	45	23	12	5.5	10.5	39	16	10	*7.0	*13.0	34	10	4	6.0	8.5	25	1	2	2.0	4.0
09	151	11	4	13.0	19.0	112	24	12	*12.5	*19.0	88	30	15	*9.5	*16.5	61	38	12	*5.0	*6.5	39	26	9	4.5	7.5	31	22	8	7.5	*12.5	30	14	8	7.0	*11.5	23	5	2	*3.5	*5.5
10	149	11	3	12.5	19.0	115	24	16	14.0	22.0	86	35	14	*10.5	*17.0	57	42	10	*5.0	*11.0	37	26	7	3.0	5.0	30	20	9	*5.5	*9.0	24	19	7	*4.0	*5.5	21	5	0	*2.0	*4.0
11	151	11	5	12.5	19.5	115	23	18	*15.0	*24.0	96	24	24	*11.0	*20.0	71	24	26	*4.0	*9.0	35	24	4	4.0	6.5	27	23	6	*7.5	*13.0	22	20	6	*8.0	*12.0	21	6	2	*3.5	*5.5
12	151	14	4	*13.0	*20.0	120	17	13	16.0	24.5	90	30	16	*7.5	*14.0	72	28	27	*4.5	*7.0	35	23	5	*7.0	*11.5	27	21	6	*9.0	*13.0	24	20	10	8.5	13.5	21	12	0	*3.0	*5.5
13	151	11	4	*13.0	*20.0	119	22	14	*15.0	*21.0	86	30	13	*8.0	*15.0	63	34	16	*6.5	*10.0	37	32	8	*6.5	*13.0	24	33	5	*7.0	*15.0	20	22	6	*10.0	*13.5	23	7	2	*3.0	*6.0
14	151	10	8	14.0	21.0	115	22	10	13.5	22.0	86	32	12	*10.0	*17.0	63	32	18	*4.5	*8.5	36	25	9	*7.0	*11.5	23	21	6	*7.0	*12.0	23	21	7	*7.0	*13.0	24	3	3	*2.0	*4.0
15	150	13	5	15.0	23.0	117	20	10	16.5	26.0	87	33	13	*9.5	*15.0	57	38	10	*4.0	*8.0	38	23	9	*2.0	*4.0	33	14	12	*4.0	*6.0	32	12	8	*6.0	*10.0	25	8	2	*4.0	*6.5
16	149	10	4	15.0	23.0	115	18	10	14.5	23.0	85	34	11	14.0	22.5	61	37	16	*4.5	*8.0	35	24	6	11.0	15.5	31	18	10	*9.5	*16.5	36	10	4	*5.0	*8.0	25	4	3	*3.5	*5.5
17	149	9	4	14.5	22.5	111	24	9	13.0	20.5	86	32	15	*8.0	*15.0	63	32	18	5.5	7.5	37	20	10	2.0	3.5	35	18	10	*7.0	*12.5	44	6	6	3.5	5.5	25	4	4	3.0	5.0
18	149	9	7	14.0	20.5	109	26	8	12.0	17.0	86	30	12	7.5	14.0	71	26	21	*5.0	*10.0	43	25	14	*10.0	*16.0	47	12	8	*9.5	*15.0	50	2	12	3.5	6.0	25	2	3	2.0	3.5
19	149	9	4	12.5	20.0	113	22	7	*11.0	*17.0	96	22	17	*11.0	*16.0	79	20	20	*10.0	*18.0	53	17	14	*8.0	*15.0	53	9	12	*7.5	*13.0	48	6	9	3.0	6.0	25	2	2	2.0	3.5
20	149	10	2	12.0	19.0	121	17	10	14.0	21.0	101	18	11	13.0	21.0	83	20	13	11.5	19.0	57	18	11	8.5	13.0	53	10	6	7.0	11.5	46	6	7	3.5	5.5	23	4	0	2.0	3.5
21	151	10	2	11.5	19.0	125	18	9	13.0	21.0	104	20	10	12.0	19.0	83	22	9	10.5	18.5	59	15	8	*7.0	*12.5	53	9	4	*7.0	*12.0	45	7	5	3.0	5.0	23	2	0	2.0	3.5
22	153	10	4	12.0	18.5	127	15	8	15.0	22.5	104	20	9	14.0	23.0	85	19	9	*4.0	*16.5	59	16	8	*7.0	*12.0	53	10	8	5.5	10.5	42	7	3	3.0	4.5	23	3	0	1.5	3.5
23	153	9	4	12.0	18.0	129	15	6	15.0	22.0	104	19	7	12.0	21.0	85	19	8	10.0	16.5	59	18	6	9.0	12.5	53	9	5	7.0	12.5	42	7	4	2.5	4.0	23	2	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T. H. Lat. 22.0N Long. 159.7W Month April 1962

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	4	3	10.0	14.0	130	5	7	11.5	19.5	104	10	6	10.0	18.0	83	10	8	9.5	19.0	57	11	5	9.0	15.0	43	6	5	7.0	13.0	46	6	5	3.0	5.0	24	2	0	2.0	3.5
01	155	2	4	10.0	15.0	129	6	3	10.0	16.5	106	10	6	9.0	16.0	83	14	6	10.0	19.0	57	10	4	8.5	14.0	45	5	5	*7.0	*13.0	44	4	6	4.0	6.0	24	0	0	1.5	3.5
02	155	4	4	9.5	15.5	131	6	5	10.5	16.5	106	9	6	9.5	16.0	87	7	10	10.5	18.0	57	11	4	8.5	14.0	45	9	5	*8.0	*11.5	42	13	6	4.0	6.5	24	0	0	1.5	3.5
03	155	4	6	10.0	15.0	133	6	8	10.5	16.0	108	10	7	11.0	20.0	85	11	8	9.5	18.0	57	10	4	9.5	15.0	53	13	6	*8.0	*10.0	40	13	4	4.5	6.5	24	0	0	2.0	3.5
04	155	2	5	11.0	16.0	131	8	5	12.0	16.5	108	8	6	10.0	17.0	85	11	9	9.0	15.5	59	9	6	9.0	13.5	53	4	6	5.0	8.0	38	10	5	5.0	7.0	24	0	1	2.0	3.5
05	155	7	5	10.5	16.5	131	7	4	11.5	18.0	106	9	8	9.5	15.5	74	13	5	10.0	16.0	57	10	4	9.5	14.5	44	8	2	6.0	9.0	38	12	6	5.0	7.0	24	0	0	2.0	3.5
06	155	4	4	10.0	16.5	127	5	3	11.0	18.0	94	10	9	9.0	16.0	59	22	7	11.0	19.0	53	12	4	5.0	11.0	51	6	4	*4.5	*8.0	38	4	6	*4.5	*6.5	24	2	1	2.0	3.5
07	153	2	4	10.0	16.5	114	9	2	11.5	17.5	77	27	6	9.0	14.5	51	29	4	4.0	6.0	47	13	4	7.0	10.0	45	4	6	*8.0	*14.5	36	7	2	*3.5	*5.0	24	3	0	2.0	4.0
08	151	6	3	11.5	18.0	110	18	6	12.0	18.0	82	26	10	8.0	14.5	53	33	8	6.0	8.0	35	11	5	5.0	7.0	31	13	4	*6.0	*10.0	32	8	3	*5.5	*8.5	24	0	2	*2.0	*4.0
09	151	7	4	11.0	18.0	109	23	8	12.5	19.0	86	23	14	12.0	21.0	51	35	4	5.0	8.0	33	15	4	*3.0	*4.0	25	14	4	*3.0	*5.0	26	12	4	*5.0	*8.0	22	2	0	2.0	3.5
10	149	10	2	11.0	17.0	110	19	9	13.5	20.5	77	30	5	11.0	19.0	55	33	4	6.0	10.5	33	18	4	3.5	5.0	25	13	3	*6.0	*9.5	20	18	4	*5.0	*7.0	23	2	2	3.0	4.5
11	151	7	4	11.0	17.0	112	17	9	15.0	22.0	78	32	6	9.5	17.5	53	36	8	6.0	9.5	32	18	4	3.5	5.5	23	12	3	*4.5	*6.5	18	18	4	6.0	9.0	20	0	2	2.0	4.0
12	149	8	2	12.0	19.0	113	18	8	13.0	21.5	81	27	9	8.0	14.5	53	36	8	5.0	8.5	31	21	2	3.0	5.0	25	5	4	*4.5	*7.0	15	15	4	*3.0	*11.5	20	1	2	*2.0	*4.0
13	149	8	2	12.5	20.0	113	16	8	13.5	21.0	78	30	6	10.0	16.5	55	34	8	9.5	13.0	31	17	2	*3.0	*5.5	23	10	4	*2.5	*5.0	18	18	4	*3.0	*5.0	20	2	0	*2.0	*4.0
14	149	8	4	13.5	22.5	111	16	9	14.5	22.5	75	28	5	9.0	16.0	55	32	8	6.0	11.0	31	18	4	3.0	5.0	23	12	3	*4.5	*7.0	22	11	6	*7.0	*11.0	22	2	2	*2.5	*4.0
15	151	6	4	13.5	21.5	113	16	8	15.5	23.5	76	33	6	9.0	15.0	49	41	4	5.0	7.5	31	21	4	4.0	6.0	20	10	10	*7.0	*10.0	30	9	3	*5.5	*8.5	22	4	0	*2.0	*4.0
16	147	11	2	15.0	23.0	109	22	8	14.0	20.0	84	25	14	11.0	16.5	49	37	4	*10.0	*15.5	31	17	4	*4.0	*5.5	30	13	7	*6.5	*11.0	33	5	8	*4.5	*7.0	24	3	3	*3.0	*5.0
17	148	7	1	14.0	22.0	101	18	10	13.0	19.0	82	19	11	11.0	18.0	58	28	13	*4.0	*6.0	33	17	6	3.0	5.0	31	15	5	*3.5	*4.5	46	5	8	3.0	5.5	24	2	2	*3.5	*4.0
18	149	6	4	13.5	21.0	106	23	7	12.0	18.0	80	25	5	8.0	13.0	61	29	8	7.0	10.5	35	20	4	2.5	4.5	41	10	4	*7.0	*12.5	50	5	9	2.5	4.5	24	2	2	3.5	5.0
19	147	6	2	12.0	19.0	115	14	8	11.5	19.0	92	20	6	11.0	20.0	71	21	5	11.0	17.0	47	15	5	6.0	9.0	49	10	6	6.5	12.5	52	4	9	3.0	5.5	24	4	2	3.0	5.0
20	149	8	2	11.0	17.5	123	11	10	13.0	21.0	104	10	14	12.5	21.5	78	17	9	11.5	22.0	55	14	8	11.0	16.0	51	10	5	*8.0	*12.5	50	4	7	3.5	6.0	24	2	2	2.5	4.0
21	151	7	2	10.5	16.5	123	14	7	13.5	21.5	100	17	6	14.5	23.5	81	15	6	12.5	20.5	55	14	4	8.5	15.5	53	7	6	*5.5	*10.0	48	4	8	3.0	6.0	24	0	2	2.0	4.0
22	153	6	4	11.0	15.0	125	12	4	15.0	23.0	104	12	7	12.0	22.0	83	16	6	11.0	19.0	55	16	4	9.0	15.0	51	9	4	6.0	9.5	46	4	8	3.0	5.5	24	1	2	1.5	3.5
23	153	6	2	8.5	14.0	127	10	4	13.0	21.0	106	12	8	12.0	20.5	85	13	8	9.5	19.5	57	12	4	10.0	14.0	51	9	2	7.0	10.5	44	7	8	3.5	5.5	24	0	2	1.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai), T.H. Lat. 22.0N Long. 159.7W Month May 19 62

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	6	2	7.5	13.0	127	11	7	7.0	14.0	102	18	10	7.5	14.0	79	23	4	3.0	16.0	55	14	4	6.5	10.5	60	5	7	*5.5	*10.0	48	4	5	2.5	5.0	24	2	2	1.0	3.0
01	155	6	4	9.0	15.0	129	9	4	10.5	15.5	100	19	9	11.5	19.0	81	22	10	*6.5	*12.0	57	14	6	8.0	13.0	62	6	9	*8.0	*14.0	44	5	5	2.5	5.0	24	2	2	1.5	3.0
02	155	6	4	8.0	14.5	129	11	8	8.5	16.5	102	18	8	*9.5	*18.0	79	22	7	9.5	18.5	59	10	9	7.5	12.5	64	8	9	*5.0	*12.5	42	13	5	4.0	6.0	24	2	2	1.5	3.0
03	154	6	3	9.5	15.5	129	12	6	10.5	17.5	102	20	9	*9.0	*18.0	81	21	8	4.5	9.5	57	13	7	7.0	11.0	52	18	6	5.5	10.0	40	15	2	3.0	5.5	24	1	2	1.5	3.0
04	155	8	6	10.0	16.5	124	12	9	11.0	17.5	103	19	9	*9.0	*19.0	79	24	9	7.0	11.5	57	13	8	7.0	10.5	50	7	5	7.0	10.5	38	6	4	3.0	5.0	24	0	2	1.5	3.0
05	153	9	3	10.0	17.0	127	12	5	11.0	19.0	99	20	6	9.0	17.0	75	24	13	*5.5	*10.0	57	14	7	6.5	11.0	50	5	6	5.5	11.0	38	5	3	3.0	7.0	24	0	2	1.5	3.0
06	153	6	4	10.0	16.0	119	16	5	10.0	16.5	79	37	6	*8.0	*14.0	57	39	7	2.5	5.5	51	17	5	5.5	9.0	48	8	6	5.0	*9.5	38	5	4	*4.0	*6.5	24	2	1	2.0	3.5
07	151	6	4	9.5	16.0	113	21	5	*10.0	*17.0	73	44	5	*7.0	*14.0	55	42	6	*6.5	*13.0	41	22	3	3.5	5.0	40	12	6	*9.0	*14.0	34	6	5	3.0	5.5	24	2	2	2.5	4.0
08	151	9	4	9.5	15.5	105	29	6	8.5	13.0	76	38	7	7.0	13.0	53	41	4	*4.5	*7.5	37	16	4	4.0	6.0	36	11	10	8.0	12.5	30	7	5	3.0	4.5	24	0	2	2.5	4.5
09	149	6	3	9.0	15.5	106	30	8	8.5	13.5	76	40	6	*8.0	*15.0	51	45	4	*5.0	*8.5	37	15	6	2.5	4.5	27	14	6	5.0	7.5	24	8	5	3.5	5.0	22	2	2	2.0	4.0
10	149	5	2	8.5	14.5	109	23	7	10.5	15.0	74	40	4	8.0	14.5	53	42	2	*6.5	*15.0	35	15	4	2.5	4.5	28	12	4	*7.0	*11.0	22	10	5	*7.0	*11.0	22	0	2	2.0	3.0
11	151	5	4	9.0	15.0	111	19	9	9.5	15.0	74	37	6	7.0	13.5	50	43	3	*3.0	*15.5	33	19	2	3.0	5.0	24	10	4	4.0	7.5	20	0	6	*3.5	*7.5	20	2	2	*2.5	*7.5
12	151	2	4	9.5	14.5	111	14	8	*8.0	*14.0	75	29	7	7.0	13.0	49	37	2	*5.0	*8.0	33	14	2	3.0	5.0	24	10	4	*6.0	*9.5	20	14	6	*7.0	*12.5	20	2	0	*2.5	*7.0
13	151	3	4	10.0	15.5	111	18	10	9.0	14.5	72	36	4	8.5	16.5	50	41	3	*12.5	*16.5	33	19	2	2.0	3.5	26	12	6	*7.5	*8.0	21	11	5	*8.0	*12.0	22	2	2	*2.0	*4.5
14	144	4	2	9.0	14.5	111	18	12	9.5	15.0	72	42	4	*7.0	*12.0	53	39	6	*4.0	*7.0	33	22	2	2.5	4.5	28	12	8	*10.5	*16.5	21	13	3	*5.0	*7.0	24	2	4	*3.0	*5.0
15	149	5	4	8.0	14.0	109	21	10	10.0	15.5	72	40	4	6.5	13.0	52	44	5	*3.5	*5.5	35	20	4	2.0	4.0	30	12	8	*8.0	*14.0	28	7	5	4.0	6.5	24	4	2	3.5	5.5
16	149	7	4	9.5	15.0	106	23	9	9.0	14.5	70	41	2	*6.5	*13.0	51	43	4	*5.0	*9.0	33	22	2	2.0	3.5	32	12	10	*8.5	*12.0	37	7	3	*2.5	*3.5	26	2	4	*3.5	*5.5
17	149	5	4	9.5	15.5	103	30	8	9.0	14.0	72	43	4	*7.0	*13.0	51	48	4	*3.5	*6.5	35	16	4	2.0	4.0	34	13	8	*7.5	*12.0	44	4	4	2.0	4.0	26	2	4	*3.5	*5.0
18	149	6	4	9.0	15.5	102	32	6	7.5	11.0	73	42	3	*5.5	*11.0	57	41	6	4.0	8.0	38	14	6	2.0	4.0	40	14	4	*7.0	*11.0	50	4	4	2.0	4.5	26	0	2	*3.0	*5.0
19	149	6	4	8.0	14.5	113	21	5	5.5	11.0	86	27	5	6.0	12.0	70	25	9	7.0	12.5	45	18	4	3.5	5.5	48	10	7	3.5	7.5	51	3	5	2.0	*4.5	24	2	2	2.0	*4.5
20	144	8	2	8.5	15.0	120	15	6	7.0	13.5	96	22	8	9.0	15.0	77	21	12	*8.0	*14.0	51	16	5	6.5	10.5	50	8	6	*6.0	*10.0	52	1	7	3.0	5.5	24	2	2	2.5	4.5
21	151	7	2	8.5	14.5	123	13	4	8.5	16.0	99	17	9	8.5	15.0	77	22	7	*9.0	*17.0	56	13	6	8.0	13.5	50	7	3	*5.5	*10.0	50	4	7	2.5	5.0	24	2	2	2.0	3.5
22	151	8	2	7.5	13.5	123	14	4	9.0	15.5	100	14	8	8.0	15.0	77	20	5	7.5	13.0	57	10	6	6.5	10.5	50	8	4	*6.0	*11.0	48	4	6	2.0	4.5	24	2	2	1.5	3.0
23	153	4	3	7.5	12.5	123	11	4	9.5	16.0	100	16	11	11.0	17.5	77	22	3	9.5	17.0	57	9	6	8.0	11.0	50	6	6	6.0	10.0	45	3	6	2.5	4.5	24	2	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8N Long. 77.3E Month February 19 62

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	3	2	10.0	14.0	133	12	2	13.0	17.5	110	17	4	15.5	17.5	90	12	10	17.0	21.0	67	8	8	*6.0	*11.0	56	6	4	*3.5	*6.0	40	10	4	3.5	6.0	25	3	2	2.5	3.5
01	155	5	2	10.0	15.0	133	12	2	12.0	16.0	110	17	5	15.0	20.5	90	17	11			66	7	9	*4.5	*6.5	60	4	4	*4.0	*6.5	40	8	3	*4.5	*6.5	25	2	2	2.0	3.5
02	155	6	1	9.5	13.5	133	10	3	11.0	17.0	112	14	6			88	17	8			65	10	6	*7.0	*11.0	59	8	4	*6.0	*9.5	42	4	5	*2.5	*5.0	25	2	4	1.5	2.5
03	155	5	3	10.5	16.0	133	9	4	13.5	18.0	109	6	6			84	17	6			63	12	6	*6.0	*9.0	58	7	4	*3.0	*6.5	40	5	3	*3.0	*4.5	25	2	2	2.5	3.5
04	155	4	2	11.0	16.0	131	10	4	10.5	16.5	106	16	3	14.0	18.5	80	19	6	10.5	14.0	61	13	4	*6.0	*9.0	56	4	2	*3.5	*6.5	40	4	6	*2.0	*3.5	25	4	3	2.0	4.0
05	155	4	2	11.0	15.0	131	9	5	12.0	17.0	110	8	10	9.0	12.0	82	12	16			61	14	5	*4.0	*5.5	54	6	7	3.0	5.0	38	6	3	2.5	3.5	25	2	2	2.0	3.0
06	155	2	4	11.0	15.5	129	7	7	12.0	16.0	91	23	6	12.0	17.5	75	16	7			57	13	2			54	4	6	*4.0	*7.0	38	4	3	*3.0	*4.0	25	3	2	1.5	3.5
07	153	2	4	11.5	17.5	121	14	5	8.5	12.5	98	19	7	17.0	24.5	68	20	6	2.5	4.5	57	8	6	*2.0	*4.0	52	4	6			42	6	3	*2.0	*3.5	25	3	3	3.5	6.5
08	151	2	4	10.0	15.5	113	16	5	13.0	18.0	92	20	13			66	19	4	2.5	5.0	51	7	5	*3.0	*5.0	44	8	2			40	3	2			24	4	3	2.5	5.0
09	149	5	2			109	21	7			93	20	11			72	22	12	2.0	3.0	49	10	8	*4.0	*6.5	44	6	8	*3.5	*5.0	36	7	4	*3.0	*5.0	23	6	2	2.0	3.5
10	151	3	4	13.0	18.0	113	21	9			94	20	12			68	22	4	2.5	4.5	48	6	5	*2.5	*4.5	38	4	4	*2.5	*5.0	*35					25	2	4	3.0	4.0
11	151	2	4	13.0	19.0	117	20	10	12.0	16.0	92	26	10			70	21	6	2.0	4.0	47	2	4			38	9	3	*5.5	*8.0	*44					29	7	6	3.5	5.0
12	151	6	4	12.5	18.0	125	12	14	12.0	16.0	98	22	18	17.0	23.0	70	31	7			47	8	4	*3.0	*5.0	38	11	2	*2.0	*4.0	*42			*9.5	*12.0	27	4	4	5.5	8.0
13	151	10	4	13.0	18.0	119	25	9	11.0	17.5	104	23	18	13.5	20.0	72	34	7			46	22	4	*2.0	*4.0	40	18	7	*3.0	*5.0	34	18	4	*4.0	*6.5	26	5	3		
14	153	9	6	13.5	18.0	126	19	17	13.5	18.0	98	27	15	11.0	18.0	73	35	7	3.0	8.0	47	21	4	*2.0	*4.0	39	17	6	*6.0	*9.0	36	17	4			28	3	5	5.5	10.5
15	153	10	4	11.0	15.5	125	22	16	12.5	19.5	116	19	25	12.5	19.0	76	35	9	9.0	14.0	47	28	4	*4.0	*6.0	46	24	9	*4.0	*6.0	38	28	3			27	7	3	2.5	3.5
16	155	8	4	11.0	15.0	129	19	23	9.0	16.0	105	27	22	13.0	20.0	73	36	7	3.0	4.5	49	26	6	*2.0	*4.0	48	21	8	*5.0	*6.5	45	15	3	*6.0	*9.0	28	11	4	4.0	5.0
17	155	21	5	10.5	14.5	130	18	16	15.5	22.0	108	21	14	12.0	19.0	88	28	13	4.5	7.0	57	27	10	5.5	10.0	56	14	6	*6.0	*8.0	50	7	7	*6.0	*9.0	25	5	2	2.5	4.0
18	153	8	4			132	14	13	14.0	20.0	114	14	12	9.0	14.0	92	16	14	11.0	17.0	65	19	17	*7.0	*10.5	61	8	11	*4.5	*7.5	48	7	5	*4.0	*7.5	25	4	2	2.0	4.0
19	155	4	2	9.0	13.5	132	14	10	14.5	20.5	113	15	11	11.0	15.0	94	16	18	7.0	10.0	70	9	19	7.0	11.0	62	6	7	*5.0	*8.0	48	7	7			25	4	4	2.0	3.5
20	157	4	4	9.0	13.5	135	10	12	13.0	19.0	116	12	18	12.0	18.0	95	11	17	6.5	9.5	69	8	12	6.5	11.0	62	4	12	5.0	8.5	46	5	4	*3.0	*6.0	25	2	4	2.0	3.0
21	157	4	2	10.0	13.0	135	9	9	11.5	17.5	115	13	11	16.5	23.0	92	14	12	7.0	9.5	69	8	10	*7.0	*11.0	60	8	8	*5.5	*10.0	44	3	4	4.0	6.0	25	2	4	1.0	3.0
22	157	4	4	9.0	13.0	135	10	6	10.0	15.0	115	12	8	15.0	22.0	91	19	13	11.0	16.0	67	12	10	*6.5	*11.0	58	4	6	6.0	9.5	42	5	3	5.0	8.0	25	2	4	2.0	3.5
23	157	4	4	9.5	13.5	133	12	3	8.5	12.5	114	14	8	16.0	23.0	91	14	15			65	10	8	*6.5	*11.0	57	7	5	*5.5	8.0	42	4	5	*3.0	*5.0	25	2	2	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Month March 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	150	5	6	*7.0	*11.0	124	5	3	7.0	11.0	105	10	6	8.0	15.5	86	13	6	7.5	14.5	60	9	7	5.0	9.5	57	8	2	5.5	10.0	40	4	5	3.0	5.5	24	2	0	*1.5	*3.0
01	150	6	6	*5.5	*8.5	126	4	4	9.0	14.0	105	10	6	7.5	15.0	84	12	5	8.5	14.5	60	12	8	8.0	12.5	59	7	4	5.5	10.0	40	6	5	5.0	8.0	26	0	3	*1.5	*2.5
02	150	2	4	*6.5	*9.5	124	11	2	9.0	15.0	105	5	7	8.5	14.0	84	9	6	8.5	14.5	59	11	7	5.0	9.0	59	6	6	4.5	8.5	40	4	5	4.0	7.0	25	2	1	*1.0	*2.5
03	150	4	6	*9.0	*12.0	124	6	2	6.0	10.0	104	9	7	8.5	16.5	82	11	6	8.0	13.0	59	9	9	8.0	11.5	59	6	6	6.0	9.0	38	6	4	4.0	6.0	26	1	2	*1.0	*2.0
04	150	2	6	*8.0	*11.0	124	4	4	12.0	18.0	103	6	8	7.5	15.0	80	6	8	8.0	13.0	59	9	9	6.0	9.5	57	7	5	6.0	9.0	32	5	2	2.0	3.5	26	0	2	*1.0	*2.0
05	151	5	5	8.0	12.0	122	6	4	8.5	13.5	95	8	6	12.5	17.5	72	11	9	7.5	12.0	60	11	8	6.0	11.0	67	8	6			33	6	4	2.0	3.5	25	1	1	*1.0	*2.5
06	148	4	4	*7.5	*11.0	118	4	9	14.5	19.5	85	12	10	10.5	17.0	60	8	4	4.5	6.0	50	13	6	4.0	8.0	57	6	7	5.0	8.0	38	4	3	5.0	8.0	26	2	2	*3.0	*4.0
07	146	4	2	*9.0	*14.0	112	8	8	6.5	10.5	77	16	10	11.0	19.0	62	10	4			42	12	4	8.0	10.5	45	8	6			44	10	3	5.0	7.5	26	5	2	*2.0	*4.0
08	146	2	2	*11.0	*14.5	104	14	6	7.0	10.0	77	16	6	9.0	13.5	63	5	7			44	4	6	5.5	9.0	40	7	4			33	8	7			26	2	2	*1.0	*3.0
09	146	4	4	*11.0	*15.0	106	11	8	6.0	9.0	*73			4.0	6.5	*60					42	2	4	9.0	11.0	37	6	2	8.0	10.0	*28			5.5	7.5	*24				
10	144	4	2	*11.0	*14.0	106	12	4	12.0	9.0	72	21	3	4.5	6.5	60	8	2	3.5	6.5	40	2	6	8.0	10.5	35	2	2	6.0	10.0	30	12	4	3.0	5.0	28	4	4	*3.5	*5.5
11	144	4	2	*10.0	*12.5	107	9	5	11.0	16.0	75	18	8	3.0	20.0	59	9	3			40	2	2	8.0	10.0	37	4	2	8.0	11.0	30	8	4	4.0	7.0	26	4	2	*2.5	*4.5
12	144	6	2	*8.0	*11.0	110	9	6	10.0	13.5	72	22	7	3.5	5.5	60	10	4	1.5	2.5	36	6	2	10.0	13.0	33	8	2	6.5	9.0	30	10	6	5.5	8.5	26	3	4	*2.0	*3.5
13	146	4	2	*9.5	*13.0	110	11	6	11.5	16.0	75	20	9			62	14	4			38	6	2	4.0	6.0	37	7	4	4.0	5.0	32	8	7	5.0	8.0	26	3	2	*2.5	*4.0
14	146	6	2	*9.5	*14.0	109	11	7	8.0	12.0	74	24	7	3.0	5.0	60	18	4			40	4	2	9.0	11.5	37	7	2	8.0	10.0	33	7	5	4.0	6.5	26	5	3	*2.0	*3.5
15	148	4	4	*8.0	*11.5	106	16	3	6.5	9.5	74	23	7	4.0	6.0	60	15	3			38	6	4	8.5	11.5	37	11	3	5.5	8.0	38	4	6	2.5	4.0	26	2	3	*3.5	*5.0
16	148	4	3	8.0	11.0	106	14	4	4.0	7.0	81	13	12	3.5	6.0	62	21	6	2.5	4.0	44	4	3	12.5	15.5	43	9	3	6.0	9.0	40	4	5	4.0	6.0	27	3	3	*2.5	*4.0
17	148	4	4	*8.0	*11.5	109	16	7	6.5	10.0	85	21	9	7.5	12.0	71	13	7	5.5	8.0	45	9	3	6.0	6.0	51	7	4	7.0	10.0	42	4	4	7.5	10.5	27	3	4	*2.5	*4.5
18	148	6	4	*7.0	*10.5	114	12	4	7.0	11.5	93	15	4	11.0	19.0	76	10	4	6.5	10.5	52	12	6	13.0	18.0	57	4	5	5.0	9.5	42	6	4	4.0	7.0	26	4	4	3.0	4.5
19	150	5	5	*8.5	*12.0	120	8	4	10.0	14.5	97	16	4	12.0	20.0	82	10	7	7.0	13.0	56	12	6	11.0	17.0	69	6	2	4.5	7.0	42	3	7	5.0	7.0	24	2	2	1.0	3.0
20	150	6	5	8.0	11.0	122	8	2	8.0	12.5	99	14	5	6.5	11.5	82	17	8	6.0	10.5	58	12	7	8.5	13.5	71	5	6	6.5	11.0	40	4	7	4.0	6.5	24	2	2	1.0	2.5
21	150	6	4	*9.0	*12.5	124	6	4	11.5	18.0	101	13	5	1.0	2.0	84	11	4	7.5	13.0	57	14	3	8.5	14.0	72	5	5	4.5	8.5	40	4	6	5.0	8.0	24	1	2	1.0	2.5
22	150	3	6	*8.5	*12.5	124	10	6	10.5	17.0	103	12	7	7.0	12.0	86	11	6	7.0	10.5	64	7	10	8.0	12.0	63	16	10	4.5	8.5	38	7	4	5.5	10.0	24	3	2	1.0	2.0
23	150	4	6	7.0	10.0	124	9	5	9.0	15.5	103	12	5	7.5	16.0	84	12	5	8.0	14.0	62	9	8	8.5	13.0	61	5	8	7.5	11.0	40	4	4	4.5	8.0	24	2	1	0.5	2.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Month April 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm
00	151	5	6	7.0	10.5	126	4	4	*7.0	*11.5	103	7	4	7.5	12.0	82	9	4	6.5	11.0	58	7	5	4.0	7.0	58	7	3	*5.5	*9.0	44	11	4	4.5	8.0	26	0	2	0.5	2.0
01	153	3	7	6.0	11.0	124	6	2	*8.5	*13.5	104	5	4	7.0	11.5	82	8	4	4.5	8.5	57	9	5	5.0	8.0	58	6	4	*4.0	*7.0	40	6	2	4.0	7.0	26	0	2	1.0	2.0
02	151	3	2	6.5	11.0	127	3	3	8.5	13.5	104	6	2	6.5	11.0	82	8	4	6.0	11.0	57	11	4	5.5	9.5	58	7	5	*4.0	*8.0	42	2	2	4.5	7.5	26	0	2	0.5	2.0
03	151	2	5	6.0	10.0	127	3	3	*9.0	*15.0	104	6	5	6.5	11.0	80	11	4	5.5	10.0	55	14	3	4.0	7.0	56	6	3	*4.0	*7.0	38	4	3	4.0	6.0	25	1	1	0.5	2.0
04	153	2	4	7.5	12.0	124	8	0	*10.5	*16.0	102	7	3	5.0	9.5	74	13	4	6.5	11.5	55	13	2	4.5	8.0	54	6	3	4.0	8.0	36	6	6	2.5	5.0	24	2	0	0.5	2.0
05	151	2	6	7.0	11.0	122	2	4	7.5	12.5	91	13	5	6.0	10.0	59	13	3	3.5	6.0	53	12	6	5.0	8.0	58	6	2	*3.0	*7.0	40	4	4	5.0	10.0	26	0	2	0.5	2.0
06	145	6	0	8.0	11.5	114	10	2	*7.5	*12.0	80	14	8	7.0	11.5	56	7	4	2.0	3.5	41	12	2	6.0	9.0	44	9	4	*9.0	*13.0	36	7	2	4.5	8.0	26	1	2	*0.5	*2.0
07	147	4	2	8.0	11.5	107	22	7	*9.0	*11.5	78	12	9	6.0	12.0	56	7	2	4.0	6.0	39	4	3	6.0	8.5	37	10	5	*4.0	*6.5	32	6	2	5.0	7.0	26	2	2	1.0	3.0
08	149	2	4	9.0	13.5	106	8	6	*8.0	*11.0	74	14	4	9.0	13.5	56	4	2	3.0	5.5	39	4	4	8.0	11.0	36	2	5	*7.0	*9.0	30	8	4	6.0	9.0	26	2	2	*2.0	*3.5
09	149	2	4	10.0	14.0	110	7	7	*7.5	*12.0	*75			3.0	4.5	58					39	4	4	9.0	12.5	34	4	2	*8.5	*11.5	*27			2.5	4.5	*26			*3.0	*5.0
10	*145			9.0	12.0	110	6	2	*8.0	*12.0	76	16	8	2.5	4.0	58	4	2	4.0	7.0	*35			6.5	10.0	32	2	3	*6.0	*8.0	26	9	4	5.0	7.5	24	4	0	*2.5	*4.5
11	145	6	0	11.0	15.0	110	8	3	*8.5	*13.5	74	16	6	4.5	7.0	59	12	3			39	4	4	8.0	10.5	32	6	2	*5.0	*7.0	28	4	6	5.0	7.0	24	4	2	*2.0	*4.0
12	147	4	2	9.0	12.5	110	10	3	*7.5	*12.0	76	14	10	2.5	4.0	56	12	2	2.5	4.5	35	6	2	9.0	11.5	32	4	4	6.0	8.0	26	6	4	3.0	5.5	24	4	2	*2.0	*4.0
13	147	4	2	8.0	13.0	113	7	5	*6.5	*11.5	72	18	4	2.5	5.0	58	4	3	2.5	3.5	35	4	2	7.5	11.5	32	5	2	*7.5	*10.0	28	8	4	5.0	8.0	24	3	1	*2.5	*4.5
14	149	4	4	8.5	14.0	114	8	8	*7.0	*12.0	76	20	8	3.5	5.0	58	4	2			37	4	2	7.5	10.0	34	4	4	*7.0	*10.0	30	6	2	4.0	7.0	26	2	2	*2.0	*4.0
15	151	4	6	9.0	14.0	113	8	4	5.5	10.0	80	12	12	5.0	8.5	58	7	4			37	6	4	5.0	8.0	32	7	7	*7.5	*10.0	32	6	2	3.5	6.0	26	3	2	*2.0	*4.5
16	151	6	6	6.0	11.0	110	8	4	4.5	8.0	76	16	4	3.0	5.0	58	13	2	9.0	15.0	39	4	2	8.0	11.0	38	8	6	*5.0	*8.0	36	6	2	5.0	8.0	27	3	1	2.5	4.5
17	150	5	5	6.0	11.0	108	8	6	5.0	8.0	80	12	8	13.0	15.0	62	13	4	5.0	7.5	41	7	2	4.0	6.5	48	2	6	*5.0	*7.5	40	4	3	4.0	7.0	28	2	2	*3.0	*5.0
18	151	2	6	5.5	9.5	112	10	4	*6.5	*10.5	90	12	4	16.0	23.0	74	8	7	7.5	13.0	48	5	6	6.0	10.0	54	6	5	*3.0	*5.5	42	6	2	5.5	9.0	28	2	2	*1.5	*3.0
19	151	4	2	5.5	10.0	122	3	8	*9.5	*15.0	98	10	6	10.0	17.0	78	8	20	8.5	12.5	51	10	6	4.5	9.5	68	5	4	*7.0	*11.0	44	2	4	4.0	6.0	26	5	2	2.0	3.5
20	153	4	4	6.0	11.0	124	4	3	*8.5	*13.5	100	10	8	7.0	12.0	80	8	7	5.5	10.0	53	12	4	6.0	10.0	70	6	8	*4.5	*8.5	44	9	4	1.5	3.0	24	3	2	*2.0	*4.0
21	154	5	3	6.0	10.0	124	6	2	*6.5	*12.0	102	8	4	5.5	11.0	82	8	6	6.0	11.5	57	9	4	3.5	6.0	72	4	6			49	23	5	4.5	7.5	24	2	1	*1.5	*3.0
22	155	2	6	6.0	10.5	124	6	0	*5.0	*9.0	103	7	5	6.5	12.0	82	11	4	6.0	14.0	57	9	4	4.0	6.5	62	4	6	*4.0	*7.0	46	15	6	3.5	7.0	24	2	0	*1.0	*3.0
23	153	3	3	5.0	9.0	124	8	0	*7.0	*12.0	104	6	4	7.0	12.0	82	8	4	6.5	11.0	57	8	4	3.5	6.0	60	4	4	3.5	6.0	46	14	5	4.0	6.5	24	2	0	0.5	2.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Month May 1962

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	150	4	2	*8.0	*13.0	123	5	1	8.0	14.0	103	6	6	9.0	15.0	80	6	9	7.5	13.0	60	5	5	*4.0	*7.5	56	7	3	3.0	6.0	43	10	4	5.5	10.5	26	0	2	1.5	3.0
01	150	4	2	*7.0	*11.0	124	5	2	9.0	15.0	103	5	6	10.0	17.0	79	6	6	8.0	13.5	58	7	5	*3.5	*6.5	56	5	5	4.0	7.0	41	4	2	3.0	6.5	26	0	2	1.5	3.0
02	150	6	2	8.0	12.5	124	6	2	8.5	14.5	103	7	4	7.0	13.0	79	6	7	6.5	12.0	58	7	6	*3.0	*6.0	54	8	6	4.0	7.0	41	7	4	4.0	6.0	24	2	0	1.0	2.5
03	150	6	2	*8.0	*12.5	124	7	2	10.0	16.0	105	8	6	8.0	14.0	79	7	8	7.0	12.5	58	7	6	*5.0	*8.0	54	6	6	5.0	8.0	37	6	2	3.0	6.0	24	2	0	*1.0	*2.5
04	150	4	2	*7.5	*12.0	124	6	4	11.0	17.5	101	9	11	10.0	18.0	67	12	11	5.0	9.0	56	8	4	*5.0	*8.0	54	5	6	3.5	7.0	38	5	3	3.0	6.0	24	2	0	1.0	2.5
05	149	3	5	*8.5	*13.0	120	4	6	6.0	10.0	85	11	10	13.0	19.0	57	14	4	8.5	12.0	48	4	6	*6.0	*9.0	50	7	8	3.5	6.5	37	6	2	2.5	5.0	24	2	0	1.0	2.5
06	148	4	6	*8.5	*13.0	114	6	6	9.5	15.0	81	13	13			59	10	5	1.0	2.5	41	6	3	*7.0	*10.5	40	7	5	4.0	7.0	35	4	4	4.5	7.5	24	4	0	1.0	3.0
07	148	4	6	*10.0	*14.5	106	7	4	10.0	14.5	83	11	14	13.0	21.0	59	8	6	2.0	4.5	38	2	2	7.0	10.0	36	8	4	2.5	4.5	31	12	4	4.0	6.0	26	1	2	1.5	3.0
08	147	4	5	*11.0	*16.0	108	10	4	11.5	16.0	81	13	10	9.0	13.0	61	11	6	4.0	6.0	38	2	4	*9.5	*12.5	36	4	4	8.5	11.0	29	9	2	5.0	7.5	24	2	0	1.5	3.5
09	148	2	4	*10.0	*14.0	110	8	4	17.0	22.0	79	10	8	3.0	6.0	61	20	4	2.5	4.0	36	6	2	8.5	11.0	34	4	4	9.0	11.5	27	13	2	4.5	6.0	24	4	0	*1.5	*3.5
10	148			*11.0	*15.5	113	6	5	11.0	15.0	77	16	9	13.0	19.0	60	6	3			*36			*6.0	*10.5	32	6	4	7.5	9.5	29	4	4	2.0	3.5	24	2	2	*1.0	*3.0
11	148	5	5	*11.0	*15.0	116	6	6	10.0	14.0	81	17	12	15.0	26.0	59	8	4			36	4	4	*8.0	*11.0	34	2	4	8.0	11.0	29	8	4	5.5	9.0	24	2	0	*2.5	*4.5
12	150	1	7			116	6	6	12.0	18.0	78	19	8	12.5	25.0	59	12	2	12.0	24.0	34	2	2	*7.5	*10.0	31	5	3	7.0	9.0	27	7	3	4.5	7.0	24	4	2	1.5	3.0
13	148	4	4	*8.5	*12.5	118	4	6	9.5	14.5	84	10	12	13.5	18.5	61	9	4	5.5	8.0	36	2	2	*6.5	*8.0	34	5	4	8.0	11.0	29	10	4	2.5	5.0	24	4	0	2.5	4.0
14	150	4	4	*14.0	*19.0	118	8	8	10.0	16.0	85	10	12	6.0	10.0	59	16	2	1.5	3.5	36	8	3	*6.0	*9.0	34	7	4	7.5	10.0	33	7	6	4.5	8.5	26	3	2	2.5	4.0
15	152	4	7	*11.5	*17.5	118	11	6	7.0	12.0	85	20	11			61	15	4	18.0	30.0	34	6	2	*7.0	*9.5	36	10	5	7.0	9.5	37	3	6	6.0	9.5	28	3	2	*2.5	*5.0
16	152	4	4	7.5	12.0	117	7	4	12.5	18.0	85	8	10	6.0	9.5	59	15	3	8.5	20.0	38	5	2	7.0	10.0	38	12	4	7.0	10.5	39	4	4	5.0	8.0	28	4	2	*2.5	*5.0
17	152	4	4	*9.0	*15.0	113	15	5	11.5	16.5	85	17	15	10.5	19.5	61	19	4	13.0	19.0	40	9	2	6.5	*10.0	44	15	4	6.0	10.0	42	7	4	4.5	7.0	28	3	2	*2.5	*4.5
18	150	6	2	*8.0	*14.0	112	14	5	13.0	20.0	85	23	10	8.5	17.5	65	20	5	4.0	6.0	44	18	4	*8.5	*12.5	38	16	2	7.0	11.0	45	4	5	5.0	8.0	28	2	1	2.5	5.0
19	150	6	2	*7.5	*13.0	120	10	7	10.0	15.0	95	16	6	9.0	15.0	71	17	5	7.0	15.0	50	19	5	*10.0	*15.0	64	8	4	5.0	8.0	45	11	4	4.0	7.5	28	2	1	2.0	4.0
20	152	2	4	*7.5	*12.5	124	6	5	10.0	16.0	101	11	7	9.0	16.0	75	14	6	7.0	12.0	54	16	5	*6.0	*9.0	68	7	6	7.0	14.0	45	19	4	4.0	8.0	28	2	3	*1.5	*3.5
21	152	5	2	*7.5	*12.5	124	6	2	6.0	11.5	103	8	7	7.0	14.0	77	12	7	12.0	20.0	57	4	6	*3.5	*7.0	71	6	4			45	16	4	6.5	10.0	26	3	2	*2.0	*3.5
22	154	5	3	8.0	13.5	124	5	2	10.0	15.0	103	7	5	5.0	8.5	79	9	7			60	10	6	*4.0	*7.0	62	12	7	3.0	5.5	45	12	4			26	2	2	1.5	3.0
23	152	2	7	*8.5	*13.0	124	6	2	8.5	14.0	103	6	5	8.0	14.0	79	6	7	7.5	12.5	59	10	5	5.0	8.0	60	6	4	3.0	6.0	43	8	3			26	2	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Month March 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	139	8	2			136	10	4			113	14	6			98	14	4		
01	139	8	2			136	12	4			113	13	8			98	14	6		
02	139	6	2			136	12	6			111	16	6			96	14	8		
03	139	6	2			136	12	6			111	15	6			96	12	6		
04	139	6	2			136	14	9			111	14	10			93	15	7		
05	139	6	2			134	12	6			103	16	6			83	15	7		
06	138	7	3			127	15	5			89	16	16			72	30	16		
07	135	8	2			122	18	4			83	30	12			73	9	33		
08	135	8	2			*122					*83					94	5	32		
09	135	6	2			124	10	10			89	19	18			88	14	28		
10	135	4	4			124	10	10			89	23	15			84	13	22		
11	137	4	4			127	15	7			93	16	16			83	15	23		
12	138	5	3			130	14	6			97	18	10			81	17	17		
13	141	4	2			134	11	4			107	17	17			93	11	27		
14	143	7	2			138	11	6			114	15	22			95	12	28		
15	145	4	4			140	11	8			117	12	19			96	13	27		
16	145	6	4			140	12	6			120	13	17			98	11	27		
17	145	6	4			141	9	9			117	14	12			95	15	27		
18	145	4	6			138	12	8			115	10	12			96	8	10		
19	143	6	4			138	10	6			115	12	8			100	12	8		
20	145	4	6			141	5	9			117	10	12			105	11	9		
21	143	6	4			142	6	10			119	8	14			104	10	10		
22	142	7	5			140	8	8			117	12	12			105	7	13		
23	141	9	2			138	12	6			117	14	10			102	10	8		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	69	10	9			58	9	6			36	4	4			20	0	0		
01	68	12	9			58	6	6			36	4	4			20	0	0		
02	67	12	11			58	6	4			36	3	4			20	2	0		
03	67	11	7			56	8	2			32	6	4			20	3	0		
04	66	10	6			56	4	4			28	10	4			20	2	0		
05	66	9	11			54	6	4			29	4	5			20	0	0		
06	58	15	9			51	14	3			36	6	4			20	2	0		
07	40	13	10			36	20	6			32	13	4			20	2	0		
08	40	8	8			32	27	8			26	20	2			22	2	2		
09	42	16	8			38	12	13			26	13	6			20	2	0		
10	42	7	6			36	7	5			22	12	6			20	3	0		
11	40	7	6			31	11	6			22	12	6			20	3	0		
12	39	16	5			28	16	4			28	7	12			20	4	0		
13	40	16	6			34	12	10			30	8	11			22	4	2		
14	42	26	7			38	18	10			34	8	7			24	6	4		
15	46	26	8			44	18	11			38	7	7			24	4	3		
16	50	24	12			50	15	16			42	5	8			24	10	3		
17	58	21	18			57	10	11			44	5	6			26	7	5		
18	58	8	15			61	7	10			44	6	4			26	2	4		
19	74	9	10			63	5	8			42	6	2			24	2	2		
20	76	6	10			62	4	8			40	4	2			20	4	0		
21	76	6	12			59	7	6			38	4	2			20	2	0		
22	74	6	12			58	8	4			36	4	2			20	4	0		
23	73	7	11			58	8	4			36	4	4			20	0	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Month April 1962

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	141	10	2			129	16	4			109	18	6			96	16	8		
01	141	8	4			129	14	6			109	16	6			94	16	6		
02	141	8	4			129	12	6			111	10	10			92	16	6		
03	141	6	4			127	14	2			109	12	10			92	14	8		
04	141	4	8			129	12	6			108	11	9			92	14	8		
05	141	6	4			127	12	6			103	18	8			86	16	6		
06	139	6	0			123	12	8			89	24	14			66	28	10		
07	137	8	2			119	16	8			81	32	16			76	14	20		
08	137	8	2			*119					*93					*76				
09	140	6	5			119	15	11			83	28	14			68	24	8		
10	138	7	5			119	10	10			87	22	16			64	22	6		
11	139	8	6			121	12	8			91	21	16			63	28	5		
12	141	8	6			127	10	10			97	18	17			66	28	8		
13	143	4	4			129	11	8			99	23	18			70	32	12		
14	145	4	6			129	13	10			103	21	21			72	32	14		
15	145	6	4			131	12	10			102	21	21			70	34	14		
16	145	6	4			132	13	11			103	24	26			76	10	20		
17	145	6	4			131	13	10			101	24	26			82	24	22		
18	143	6	4			129	16	10			108	17	17			91	13	11		
19	144	7	3			131	14	8			108	16	7			94	15	8		
20	145	6	6			130	13	5			109	20	8			95	15	7		
21	143	4	6			129	16	4			109	16	8			96	15	6		
22	143	6	4			129	16	4			107	20	2			96	16	6		
23	143	6	6			129	11	4			109	20	4			96	16	8		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	64	11	7			57	10	6			34	14	9			19	1	0		
01	64	10	8			55	8	4			32	7	6			19	0	0		
02	64	10	8			55	8	6			34	6	8			19	1	0		
03	64	8	9			57	7	6			32	5	6			19	1	0		
04	64	7	10			55	7	6			28	6	4			19	1	0		
05	62	11	7			53	8	5			28	5	5			19	0	0		
06	58	11	7			55	5	9			34	9	7			19	1	0		
07	42	13	7			45	16	12			32	11	5			19	1	0		
08	42	8	10			43	12	14			30	12	8			19	2	0		
09	42	6	12			43	10	12			24	16	8			19	2	0		
10	44	2	12			41	9	10			24	14	8			19	1	0		
11	42	6	7			41	10	11			24	12	8			19	0	0		
12	42	13	6			39	11	9			24	15	8			19	2	0		
13	40	20	4			41	15	11			30	12	12			19	4	0		
14	40	18	5			43	13	13			36	10	10			19	6	0		
15	42	15	7			45	12	12			39	9	11			21	6	2		
16	44	18	8			48	13	11			42	6	10			21	6	2		
17	48	19	10			54	11	11			44	6	10			20	6	1		
18	64	8	17			58	9	10			42	6	7			19	6	0		
19	67	10	13			59	9	9			40	6	6			19	3	0		
20	68	9	11			59	6	8			38	8	6			19	2	0		
21	68	7	11			55	9	5			36	7	8			19	1	0		
22	66	10	8			57	8	6			36	9	6			19	0	0		
23	66	9	9			56	8	7			34	11	8			19	10	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Month May 1962

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	139	6	5			128	6	4			104	10	6			90	12	6			62	11	4			53	10	5			31	11	2			21	0	0		
01	139	4	5			128	8	6			102	10	4			90	8	4			62	9	4			53	8	4			31	9	4			21	0	0		
02	139	4	5			126	11	2			102	10	4			90	10	6			62	7	5			53	8	5			31	6	4			21	0	0		
03	139	4	4			126	12	2			102	12	6			90	8	6			61	10	4			53	6	4			31	10	4			21	0	0		
04	139	5	4			128	8	6			102	10	8			90	6	6			60	8	3			53	5	4			29	5	2			21	0	0		
05	139	2	4			126	10	4			100	12	10			84	10	6			60	7	4			53	4	6			29	5	2			21	0	0		
06	137	6	2			124	6	6			86	8	10			62	14	6			58	9	7			51	10	5			31	8	4			21	0	0		
07	134	8	3			116	14	6			68	11	4			66	24	8			42	5	2			41	13	4			33	7	4			21	0	0		
08	135	5	5			112	18	4			72	23	4			*64					42	4	5			37	17	4			*33					21	2	0		
09	135	8	6			112	16	6			74	18	6			64	2	4			46	2	5			41	14	10			27	8	6			21	4	0		
10	135	7	6			113	15	6			74	19	4			62	4	2			48	2	8			43	4	11			25	8	6			21	4	0		
11	135	8	8			114	14	7			76	13	6			62	3	3			48	2	9			43	5	5			23	8	3			21	2	0		
12	135	5	7			116	12	8			74	15	4			62	3	2			48	3	6			43	4	4			23	8	4			21	2	0		
13	137	6	8			118	10	6			73	17	3			62	4	4			48	3	5			41	4	2			23	11	3			21	2	0		
14	139	4	10			118	10	3			74	18	4			62	4	4			48	4	6			43	4	7			28	9	7			21	4	0		
15	140	3	8			120	9	4			76	20	6			62	5	4			48	4	4			43	6	5			31	13	6			21	3	0		
16	141	2	9			120	9	4			74	18	4			62	6	4			48	4	4			44	9	4			35	4	4			21	2	0		
17	141	2	7			119	9	3			82	18	10			70	18	8			50	6	4			47	7	6			37	7	4			21	2	0		
18	139	4	4			123	7	7			94	14	12			85	11	7			54	12	4			49	13	5			37	4	4			21	0	0		
19	141	3	5			126	9	7			102	12	10			90	7	6			60	11	4			52	7	7			35	4	4			21	0	0		
20	141	3	4			127	8	5			104	7	9			92	7	4			62	11	4			52	9	10			33	9	4			21	0	0		
21	141	4	3			128	7	4			102	11	5			90	10	3			63	10	5			53	8	7			33	8	4			21	0	0		
22	139	6	4			128	8	4			104	8	6			90	12	4			64	11	3			51	11	4			33	6	4			21	0	0		
23	139	6	4			128	7	4			102	12	2			90	11	6			62	11	2			52	7	6			33	12	4			21	0	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8W Month March 1962

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	5	4			130	7	5			113	6	4			91	7	7			*59					*59					*41					*23				
01	*156					*137					*118					*96					60	8	4			58	6	5			48	3	10			31	0	8		
02	155	4	4			129	9	5			116	4	8			88	10	4			*57					*58					*43					*22				
03	*155					*136					*116					*92					62	6	11			58	4	6			48	6	6			31	0	8		
04	155	4	4			128	10	4			114	4	6			84	14	6			*61					*59					*44					*23				
05	*156					*134					*117					*88					62	5	8			56	2	4			44	4	4			31	0	8		
06	155	4	6			126	12	8			102	12	10			71	27	15			*60					*56					*38					*23				
07	*153					*123					*104					*68					50	9	8			50	6	8			42	2	4			31	7	2		
08	150	5	3			112	8	12			106	8	4			67	12	9			*45					*41					*40					*36				
09	*153					*116					*107					*67					42	16	5			*35					*39					*34				
10	151	7	4			*112					*102					*68					*59					*40					*38					*33				
11	*153					*122					*106					*70					40	12	3			30	9	4			32	12	6			31	6	4		
12	153	4	4			118	10	9			103	5	12			67	9	4			*37					*32					*34					*29				
13	*155					*121					*104					*64					40	9	4			28	13	2			32	8	4			31	8	2		
14	155	2	5			*116					102	10	7			64	23	8			*37					*31					*35					*29				
15	*155					*118					*95					*64					46	2	5			32	14	4			*40					31	6	0		
16	155	3	4			*119					105	15	8			68	30	8			*44					*39					*46					*29				
17	*155					*123					*107					*74					48	8	9			44	10	10			72	4	29			31	11	1		
18	153	4	2			116	11	6			106	6	7			80	11	6			*51					*51					*48					*26				
19	*154					*124					*108					*90					60	4	7			54	4	4			44	18	4			31	0	8		
20	155	2	6			126	4	6			110	6	4			88	6	4			*57					*56					*42					*21				
21	*156					*130					*115					*95					60	9	6			56	7	5			44	4	4			31	0	10		
22	155	8	4			128	10	4			112	4	6			90	8	6			*61					*58					*42					*21				
23	*157					*134					*114					*96					62	6	6			58	4	4			45	5	5			31	0	10		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8W Month April 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	2	2			*126	2	1			112	4	8			85	4	5-			60	8	8			55-	6	2			*45					*25-				
01	153	3	2			127	1	3			112	4	4			85	4	6			58	5-	5-			55-	5	3			44	7	5-			23	2	0		
02	153	2	2			125-	4	0			112	4	6			83	4	6			59	3	7			55-	4	4			*45-					*23				
03	153	4	2			125-	6	1			112	6	10			81	8	2			58	6	5-			55-	5-	5-			45-	5-	11			23	2	4		
04	153	2	4			125-	3	3			110	7	9			79	4	6			56	6	10			*53					*39					*23				
05	153	2	3			125-	2	8			98	9	5-			65-	10	6			54	6	2			51-	7	9			36	12	5-			23	2	4		
06	151	4	2			115-	5-	6			94	8	6			59-	6	6			49	7	7			*47					*37					*23				
07	149	4	2			*109					100	6	12			57	3	6			44	6	10			35-	7	9			37	6	10			23	14	4		
08	149	2	1			107	4	6			95-	11	9			59-	4	4			38	10	6			27	8	6			33	6	8			*23				
09	149	2	2			*109					*96					*58					36	11	4			*23					*27					*23				
10	*151					*113					98	4	7			54	11	3			*34					*23					*25					*24				
11	151	2	2			117	4	6			98	6	2			59-	9	6			34	16	6			24	4	10			29	29	11			23	15-	2		
12	153	2	4			117	9	6			98	6	2			63	9	9			33	16	8			25-	6	12			*27					25-	6	6		
13	153	4	2			118	12	3			99	7	7			63	6	6			34	12	7			26	5-	3			32	19	19			25-	13	4		
14	153	6	2			122	9	7			102	12	10			65-	27	12			36	12	12			27	6	8			*35-					25-	16	6		
15	155-	6	4			122	13	9			102	12	14			71	22	18			36	16	11			29	10	10			37	18	4			26	16	6		
16	153	8	2			119	17	8			99	17	9			64	30	9			44	6	19			35	12	10			38	17	11			29	12	8		
17	153	6	2			119	17	9			98	20	8			63	29	6			46	8	12			39	16	10			45-	23	7			29	16	8		
18	151	8	0			113	23	4			104	13	11			75-	19	12			52	8	9			49	9	5-			48	20	9			27	6	6		
19	151	6	2			127	11	6			110	6	8			82	13	5-			58	10	8			52	10	4			47	20	6			23	6	3		
20	152	3	1			126	7	5-			110	8	4			85	14	2			60	7	6			54	6	7			45-	4	7			23	3	3		
21	153	2	4			125-	4	4			110	8	6			87	12	4			62	8	6			53	8	2			43	4	8			23	2	2		
22	153	2	2			127	2	4			110	7	6			87	4	3			61	6	6			54	22	7			45-	2	6			*23				
23	153	2	2			127	2	4			110	4	4			87	4	4			60	6	8			55-	5-	5-			45-	3	7			23	2	5-		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8W Month May 1962

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm
00	157	4	4			131	6	5			117	5	10			86	6	8		
01	157	3	4			131	5	4			117	3	8			82	9	4		
02	157	3	4			131	4	2			115	8	3			83	5	7		
03	157	2	4			129	5	2			113	6	9			82	7	6		
04	157	3	4			129	5	2			103	12	6			76	12	6		
05	157	4	4			125	7	4			95	13	8			60	19	3		
06	155	2	4			120	8	3			97	8	8			58	10	4		
07	153	3	3			113	16	16			95	15	13			58	22	6		
08	152	2	5			111	18	8			97	10	9			62	6	10		
09	151	7	4			*111					*96					62	5	8		
10	151	6	9			117	9	6			95	6	10			58	14	4		
11	153	4	4			121	8	6			99	15	10			64	13	10		
12	155	6	4			123	13	4			102	14	14			68	27	10		
13	155	6	3			127	11	8			105	12	12			70	32	13		
14	157	6	4			129	8	9			105	13	14			75	24	20		
15	159	6	6			131	8	10			109	10	22			80	16	24		
16	159	6	6			131	10	10			109	8	18			76	24	18		
17	158	4	4			133	6	14			105	17	17			78	24	20		
18	159	2	6			127	12	12			101	25	22			72	34	12		
19	157	2	4			127	12	7			106	18	15			80	16	8		
20	155	5	4			129	9	5			111	9	8			82	11	14		
21	156	4	4			130	7	5			110	8	4			84	8	5		
22	157	3	6			131	7	4			113	7	8			84	9	6		
23	157	4	5			132	5	6			113	8	4			86	7	8		

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	58	11	6			56	8	31			48	6	5			24	5	2		
01	58	10	13			56	5	8			49	2	4			24	4	2		
02	58	10	14			54	6	18			49	5	2			24	4	3		
03	57	8	10			54	11	20			47	3	4			24	4	4		
04	57	6	4			52	8	18			47	4	4			24	4	4		
05	56	4	12			52	4	6			47	2	4			24	6	6		
06	44	10	4			44	13	10			45	4	11			24	10	3		
07	42	5	8			32	8	11			41	4	11			26	8	4		
08	38	16	5			26	15	6			31	7	4			28	11	7		
09	38	21	8			*26					*27					27	13	9		
10	38	14	13			*26					*29					26	9	8		
11	36	16	10			25	12	11			29	18	11			24	6	4		
12	38	10	11			26	17	9			30	23	7			26	8	6		
13	42	13	10			26	16	11			32	15	12			30	4	10		
14	40	12	6			31	23	11			35	15	13			31	7	11		
15	42	21	7			*30					41	10	26			32	8	12		
16	45	12	12			41	12	22			42	9	11			35	5	11		
17	48	11	10			44	8	31			45	8	10			34	8	8		
18	50	15	8			50	14	28			49	20	8			32	2	6		
19	56	14	9			56	11	14			62	17	21			30	4	7		
20	60	12	9			54	12	38			57	18	17			28	4	8		
21	60	12	13			56	8	29			50	25	7			26	4	6		
22	62	11	8			54	14	38			47	9	14			26	4	4		
23	60	11	14			56	11	37			47	4	10			24	4	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3N Long. 103.8E Month January 1962

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	3	2	11.0	17.0	132	4	4	11.0	18.5	113	5	6	11.0	19.0	87	8	8	10.5	20.0	60	8	5	8.5	15.0	58	4	7	5.5	10.0	42	8	6	4.0	7.0	23	2	0	2.5	4.0
01	155	4	2	10.0	16.5	132	4	3	11.0	18.0	113	6	5	12.5	21.5	85	9	6	11.5	21.0	60	8	7	9.0	16.0	58	4	4	6.0	11.5	40	8	6	5.0	9.0	23	2	0	2.5	4.5
02	155	2	3	10.0	16.0	132	5	2	11.0	18.0	111	6	4	13.0	21.0	85	8	8	*12.5	*23.0	60	9	7	8.5	14.0	58	5	5	5.0	8.5	40	6	8	3.5	6.5	25	0	2	2.0	4.0
03	155	2	4	10.5	16.0	132	4	3	12.0	21.0	111	7	4	13.0	23.0	85	7	9	14.0	25.0	60	6	6	9.0	16.0	60	4	6	5.5	10.0	38	4	6	3.0	5.5	25	0	0	2.0	4.0
04	155	2	3	10.5	17.0	131	6	2	13.0	20.0	109	8	6	13.5	22.5	83	7	8	14.5	24.0	60	7	6	10.0	17.0	56	4	6	5.0	9.0	34	6	2	3.0	5.5	25	0	0	1.5	3.5
05	155	2	4	11.0	18.0	132	4	8	14.0	23.0	107	6	12	*14.0	*22.0	73	13	11	*15.0	*27.0	56	9	5	10.0	16.0	50	6	4	5.0	8.0	34	2	2	2.0	4.5	25	0	0	1.0	3.0
06	155	2	2	10.5	18.5	124	6	4	13.0	20.0	93	13	11	*14.5	*25.0	59	16	7	13.0	*21.5	52	5	8	6.5	11.5	52	3	4	5.0	8.5	36	6	2	3.0	6.0	25	0	0	1.5	3.0
07	151	2	2	13.0	22.0	120	5	5	16.0	24.0	81	16	10	*8.0	*11.0	55	19	4	*9.0	*16.0	40	6	6	*5.0	*10.0	42	6	4	6.0	9.0	36	6	4	3.5	7.5	25	2	0	1.5	4.0
08	149	4	2	12.0	21.0	114	6	6	16.0	26.0	80	17	7	*13.0	*19.5	57	12	6	*13.0	*21.5	29	6	3	*5.0	*8.0	32	8	6	*7.0	*11.0	32	6	2	4.0	7.0	25	2	0	2.0	4.0
09	149	4	2	12.5	20.5	114	9	8	*16.0	*25.0	*87			*15.0	*28.5	57	14	6	*16.0	*21.5	28	4	4	*6.0	*10.0	28	10	2	*8.0	*13.5	30	5	4	*5.0	*8.0	23	2	0	*2.0	*5.0
10	*15.0			*13.0	*20.0	*118			*16.0	*23.0	*87					*57					*28			*6.0	*9.0	*26			*7.5	*11.5	*28			*4.0	*7.5	*25			*2.5	*5.0
11	*151			*10.0	*17.0	*118			*8.5	*15.0	*85			*13.0	*20.0	59	11	6	*5.5	*8.5	*27			*6.0	*11.0	*27					26	12	2	*4.0	*6.0	25	6	2	2.5	4.5
12	151	2	2	12.0	19.0	120	4	4	13.0	20.5	88	7	5	*14.0	*22.5	59	14	6	*14.0	*21.0	28	4	3	*6.0	*8.5	24	6	0	*5.5	*9.5	30	12	5	4.0	7.0	25	2	2	2.5	5.0
13	153	2	2	11.0	18.0	122	6	4	11.5	19.0	92	9	7	*15.0	*23.0	61	12	8	*13.5	*23.0	28	8	2	*5.0	*9.0	26	6	2	*6.0	*10.0	34	14	7	4.5	7.5	25	3	0	2.5	5.0
14	153	6	2	11.5	18.0	124	11	4	12.5	21.5	87	13	13	*15.0	*25.0	75	20	18	*14.0	*24.0	30	17	4	*6.5	*9.0	30	10	6	7.0	11.0	39	13	9	4.0	7.0	27	2	2	2.5	5.0
15	155	4	2	12.0	20.0	128	6	6	14.0	23.0	100	13	11	*13.5	*24.0	71	10	8	*10.0	*20.0	32	10	4	*7.0	*10.0	36	8	8	*9.5	*15.0	42	12	10	*5.0	*7.5	27	2	2	3.0	5.5
16	155	4	4	12.0	20.0	130	6	8	*15.0	*25.0	99	12	12	14.5	25.0	73	16	9	12.5	22.5	34	15	5	7.5	11.0	44	4	14	*10.0	*16.0	46	11	7	4.0	7.0	27	4	2	3.5	6.0
17	153	4	2	13.5	21.0	129	5	13	15.0	26.0	103	7	9	12.5	22.0	77	8	9	10.0	18.5	48	5	11	4.5	8.5	52	6	6	5.0	9.0	48	12	6	3.5	6.5	27	2	2	3.5	6.0
18	151	5	0	12.5	18.5	128	8	3	13.0	22.5	109	5	5	12.5	22.0	84	5	10	11.0	19.0	56	4	7	6.5	11.0	58	5	4	3.5	7.0	48	13	4	4.0	8.0	25	4	0	3.0	5.5
19	153	3	2	11.0	17.5	131	7	3	11.0	19.5	111	5	5	11.5	20.5	89	6	6	8.5	15.5	60	6	4	6.0	11.0	62	4	4	*3.0	*5.5	46	11	4	3.5	7.5	25	0	2	3.0	5.0
20	153	2	2	11.0	17.0	132	3	4	13.0	21.0	111	4	6	12.0	21.0	87	6	6	9.5	17.0	62	4	6	7.5	13.5	60	4	4	*2.0	*4.0	46	11	4	4.0	7.0	25	3	2	2.5	5.0
21	153	3	2	10.0	17.0	130	4	3	13.0	20.0	111	6	2	12.0	21.0	87	5	6	11.5	20.0	60	4	5	8.0	13.0	60	5	2	3.5	6.0	46	10	4	3.5	6.0	25	2	2	3.0	5.0
22	154	3	3	10.5	16.0	130	5	2	12.0	20.0	111	5	4	13.5	22.5	87	9	6	11.0	20.5	60	6	4	6.5	13.0	58	3	7	4.5	8.0	46	4	4	4.0	7.0	25	2	1	2.5	4.5
23	155	2	2	10.5	17.0	132	6	4	11.5	18.0	113	4	7	12.0	20.5	85	5	4	11.0	19.0	60	6	6	9.0	14.0	58	5	7	5.0	9.0	44	7	4	4.5	8.0	23	2	0	2.5	4.0

Fam = median value of effective antenna noise in db above ktb
Du = ratio of upper decile to median in db
Dℓ = ratio of median to lower decile in db
Vdm = median deviation of average voltage in db below mean power
Ldm = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6N Long. 68.7W Month March 19 62

Frequency (Mc)

Hour (LST)	.013					.051					.160										2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	165	4	4	5.5	8.5	118	4	2	6.0	9.0	86	8	2	5.5	9.0						50					42	6	6			24	9	4			28	2	0		
01	165	4	2	5.0	8.5	118	4	2	5.5	8.0	86	4	4	6.5	8.5						48					42	6	6			24	10	4			28	2	0		
02	165	4	2	5.0	8.5	118	2	2	6.0	8.5	86	6	4	6.0	9.0						48					40	6	3			22	6	4			28	2	1		
03	165	2	4	5.0	8.5	118	2	2	5.5	8.0	85	6	3	5.5	8.0						48					41	7	5			20	4	2			28	2	0		
04	165	2	3	4.5	8.5	118	2	2	5.5	8.5	84	6	2	4.5	7.5						48					38	6	2			20	7	2			28	2	0		
05	165	2	2	4.0	7.0	118	4	2	5.0	8.0	85	6	2	6.0	9.0						47					41	5	3			22	4	3			28	2	1		
06	163	4	2	3.5	6.5	118	2	2	5.5	8.5	88	6	4	5.0	8.0						48					39	10	6			26	2	6			28	2	1		
07	163	4	2	4.0	7.5	118	2	2	6.0	8.5	84	4	4	5.0	8.0						48					40	6	5			25	4	3			28	3	1		
08	165	2	4	4.5	7.0	118	2	2	6.0	9.0	*88			6.0	9.0						51					37	9	6			22	6	2			28	4	2		
09	163	4	2	3.5	6.5	118	4	2	6.0	8.5	*86			5.0	8.0						58					*34					*20					*28				
10	165	4	4	5.0	8.5	118	2	2	5.5	8.0	*88			6.5	8.5						49					36	2	6			22	8	4			28	2	2		
11	163	4	2	4.0	8.0	118	0	2	5.5	9.0	88	10	6	6.0	7.0						49					34	4	4			20	2	2			28	3	1		
12	163	4	3	4.0	7.5	118	2	2	5.0	8.0	*86			4.0	7.0						48					36	4	5			20	7	4			28	2	1		
13	163	4	4	4.5	7.5	116	2	0	5.0	8.0	86	2	2	5.0	7.0						49					36	6	4			24	6	7			28	2	0		
14	163	6	4	4.0	7.0	118	2	2	5.0	8.0	86	8	2	6.5	10.0						49					*35					24	8	4			28	2	0		
15	163	4	2	3.5	7.0	118	0	2	4.0	7.0	86	7	2	7.5	11.0						48					36	6	4			24	4	4			28	2	0		
16	163	4	4	4.0	7.0	118	2	2	4.5	7.5	84	5	2	6.0	9.0						48					38	9	6			26	4	6			28	2	2		
17	165	2	4	3.5	7.0	118	0	2	5.0	8.0	84	6	0	6.0	9.0						48					40	4	7			28	6	4			28	2	0		
18	165	2	4	3.5	6.5	118	2	2	4.5	7.5	88	3	4	7.0	9.0						46					42	6	9			34	4	8			28	2	0		
19	167	2	4	4.0	7.0	118	2	2	5.0	8.0	87	3	3	6.0	8.0						50					42	4	7			32	6	8			28	2	0		
20	167	4	4	4.0	7.0	118	2	0	5.5	8.5	86	7	2	5.5	8.0						50					*44					31	9	7			28	2	0		
21	165	4	2	5.0	8.0	118	4	2	5.0	8.5	86	4	2	5.5	8.0						53					40	6	4			28	8	6			28	2	0		
22	165	2	2	4.5	8.0	120	2	4	5.0	8.5	86	4	3	5.0	7.5						48					40	8	2			26	10	8			28	2	0		
23	165	4	4	5.5	8.5	118	4	2	5.0	8.0	86	2	2	6.0	8.0						46					41	6	3			23	13	3			28	2	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6N Long. 68.7W Month April 19 62

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm
00	166	6	6			119	3	2			*86				
01	166	6	4			119	4	2			88	4	6		
02	166	4	6			119	5	2			*86				
03	166	2	6			118	6	1			*86				
04	166	2	4			117	6	0			*86				
05	164	4	4			117	4	0			*86				
06	164	4	6			117	5	0			*86				
07	164	2	4			117	4	0			*88				
08	*164					*117					*88				
09	164	2	4			118	5	3			*88				
10	164	3	4			117	5	0			*86				
11	164	4	4			117	4	0			86	6	2		
12	164	4	2			117	6	0			*88				
13	164	4	2			117	5	2			*88				
14	164	6	2			117	4	0			*88				
15	164	4	2			117	4	0			*86				
16	165	5	5			117	5	0			86	6	2		
17	164	6	4			117	5	0			*88				
18	164	6	2			117	6	0			88	6	2		
19	166	4	4			117	5	0			*88				
20	166	4	6			119	4	2			*88				
21	166	4	4			117	6	0			*86				
22	166	6	6			117	6	0			88	4	4		
23	166	4	4			119	4	2			86	6	2		

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm	2.5 Fam*	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam*	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	Fam	Du	Dℓ	Vdm	Ldm
00						41					36					21	6	2							
01						33					36					23	6	2							
02						47					42					*23									
03						46					40					*23									
04						37					42					*25									
05						45					40					25	4	2							
06						45					46					23	6	2							
07						35					34					*23									
08						33					36					*23									
09						33					34					*21									
10						31					36					21	4	2							
11						33					32					21	16	4							
12						37					30					*21									
13						39					34					*25									
14						39					32					*25									
15						37					32					*27									
16						37					34					*27									
17						39					34					*27									
18						35					36					31	4	8							
19						31					36					31	8	12							
20						31					42					31	6	12							
21						33					38					29	6	10							
22						39					40					*27									
23						33					38					*23									

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8 W Month March 19 61

Frequency (Mc)

Hour (LST)	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm
00	*138			9.0	13.5	*116			7.0	13.0	*100			5.5	10.5
01	*137			9.0	15.5	*115			6.5	13.0	*98			6.0	12.5
02	*138			8.5	16.0	*113			8.0	15.0	*97			4.0	8.0
03	*138			8.5	15.0	*115			6.0	12.5	*98			4.0	9.0
04	*137			7.5	14.5	*114			5.0	8.0	*97			3.5	8.0
05	*137			7.0	13.0	*111			5.0	11.0	*87			*6.5	*13.5
06	*134			7.0	15.5	*105			5.0	8.5	*73			*5.0	*7.0
07	*134			8.0	15.5	*103			7.5	10.0	*69			2.5	3.0
08	*132			12.5	19.5	*101			7.0	12.5	*71			*3.5	*5.5
09	*130			*17.0	*24.5	*115			*12.5	*24.0	*77			*5.5	*11.0
10	*128			8.5	15.0	*103			8.0	16.5	*75			*4.5	*6.5
11	*129			10.0	18.0	*104			5.0	9.5	*67			*5.0	*9.0
12	*128			9.5	18.0	*104			10.0	17.0	*67			*4.5	*6.0
13	132	4	6	9.0	14.5	*104			7.0	12.0	*71			5.5	8.5
14	*130			7.0	12.0	*103			6.0	9.5	*73			4.5	10.5
15	*131			8.0	12.0	*104			6.5	11.0	*79			*4.0	*5.0
16	132	8	6	8.0	15.0	104	6	15	6.5	12.5	68	25	8	5.0	10.0
17	134	6	8	7.5	13.5	*104			6.5	14.0	75	18	10	5.0	9.0
18	135	5	9	7.0	13.0	112	6	7	5.5	11.0	87	6	5	4.5	11.0
19	*137			6.0	11.0	114	4	6	6.0	11.5	91	9	6	5.0	12.0
20	138	4	4	6.5	11.5	*115			6.0	13.0	96	6	7	5.0	12.0
21	137	7	3	8.0	13.0	*116			7.0	11.0	99	7	8	5.0	11.5
22	137	9	6	7.5	11.5	116	8	6	6.5	11.0	101	5	7	4.0	8.5
23	*138			7.0	13.0	116	4	7	6.0	11.0	99	7	4	3.0	7.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

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RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month April 19 61

Frequency (Mc)

Hour (LST)						.051					.160					.495																								
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00						135	14	10	10.0	18.0	112	17	12	9.0	15.0	100	21	13	7.0	13.0																				
01						135	13	8	9.5	17.0	114	19	14	8.0	16.0	98	22	13	7.5	13.0																				
02						135	13	9	11.5	19.5	112	20	14	7.5	14.0	96	25	12	7.0	14.0																				
03						135	11	8	11.0	18.0	112	17	12	8.0	14.0	97	28	15	7.0	13.0																				
04						133	10	7	10.0	16.5	110	19	12	8.0	14.5	92	20	16	7.5	135																				
05						131	9	11	11.0	180	103	19	13	9.0	15.5	79	22	13	11.5	17.5																				
06						123	21	8	10.5	17.0	95	30	17	8.0	12.0	66	41	7	4.0	5.5																				
07						125	19	18	11.0	18.0	90	36	16	8.0	13.5	66	48	8	3.5	5.0																				
08						121	19	16	11.5	18.5	94	33	22	7.0	13.0	69	46	11	2.5	5.0																				
09						127	20	14	12.0	20.0	96	29	14	7.5	13.5	69	39	9	2.5	5.0																				
10						121	23	10	11.0	18.5	90	33	11	6.5	12.0	69	29	9	2.5	4.5																				
11						123	19	9	13.0	19.5	92	32	13	6.0	11.0	69	34	9	3.0	5.0																				
12						123	17	10	11.0	17.0	92	36	17	7.0	11.0	69	40	10	3.5	6.0																				
13						123	21	6	11.5	18.0	97	34	17	7.5	12.0	69	34	7	3.0	5.0																				
14						124	19	9	10.5	17.0	96	27	9	7.0	11.5	69	39	9	3.0	5.5																				
15						125	20	8	9.0	14.5	100	31	13	6.5	10.0	71	43	10	4.5	6.5																				
16						123	26	10	11.0	17.5	104	29	19	7.0	13.0	70	50	7	4.0	6.0																				
17						124	29	10	10.0	15.5	104	33	19	7.5	12.0	71	51	11	4.0	9.0																				
18						126	22	10	11.0	17.5	104	29	12	8.5	13.0	78	46	11	5.0	9.0																				
19						133	20	13	9.0	15.5	110	33	14	8.5	14.5	89	35	11	7.0	13.0																				
20						135	19	8	8.5	14.0	112	19	9	8.5	15.0	93	33	9	6.5	12.0																				
21						135	15	6	9.0	15.5	112	21	9	7.5	14.5	97	22	10	6.5	11.5																				
22						135	16	9	9.0	16.0	114	19	10	7.5	14.5	98	19	14	6.5	13.5																				
23						135	16	8	9.5	17.0	114	19	12	8.5	14.5	99	20	13	6.5	13.0																				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month May 19 61

Hour (LST)	Frequency (Mc)																																					
						.051					.160					.495																							
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00						143	8	11	7.5	12.5	124	11	12	7.0	13.0	98	12	11	6.0	12.5																				
01						143	7	10	8.5	14.0	124	11	12	6.5	12.5	100	11	13	6.0	11.5																				
02						141	11	8	8.0	14.5	124	12	12	7.0	13.0	98	15	13	6.0	11.5																				
03						140	10	6	9.0	15.0	122	12	11	7.0	12.5	96	17	12	5.5	10.0																				
04						139	8	12	8.0	14.5	121	12	19	8.0	15.0	90	19	19	7.0	12.0																				
05						137	9	11	9.0	15.0	116	18	30	8.5	15.5	74	36	16	6.5	10.0																				
06						135	13	11	9.5	16.0	110	25	25	8.5	17.0	79	28	20	6.5	9.0																				
07						133	14	10	10.5	17.0	110	20	22	8.0	12.0	78	24	18	5.0	11.0																				
08						135	14	11	8.5	15.5	110	20	24	8.5	14.0	82	26	18	6.5	11.5																				
09						133	12	8	11.5	19.0	114	14	27	9.0	16.0	84	27	24	5.0	9.0																				
10						133	12	8	11.0	18.0	113	22	27	9.5	18.0	76	24	14	7.0	12.5																				
11						135	16	11	11.0	18.0	108	22	19	8.5	14.5	70	31	9	6.5	13.0																				
12						135	12	7	10.0	17.0	106	23	13	8.0	15.5	71	34	9	6.5	13.0																				
13						131	17	6	9.0	15.0	109	24	11	9.5	15.0	74	42	14	6.5	11.0																				
14						132	19	8	8.5	15.0	112	24	14	8.5	15.5	74	38	13	4.5	8.0																				
15						133	20	7	7.5	12.5	112	24	19	8.0	13.0	77	34	15	6.5	10.0																				
16						133	17	5	7.0	11.5	114	21	19	8.5	14.0	79	34	17	6.0	10.0																				
17						135	16	9	7.0	12.0	118	16	23	7.0	12.0	85	28	23	5.0	8.5																				
18						137	15	11	7.0	11.5	118	20	19	6.0	10.0	86	28	23	4.5	7.5																				
19						137	12	11	7.0	11.0	120	17	13	5.5	10.0	90	25	14	4.5	8.5																				
20						141	12	11	6.0	10.0	122	14	10	5.0	9.0	96	16	17	4.0	7.0																				
21						141	9	9	6.5	10.5	123	12	10	5.0	9.0	97	16	13	4.0	8.0																				
22						142	8	10	6.0	11.0	122	10	9	5.5	10.0	97	11	13	5.0	10.0																				
23						143	6	9	7.5	11.5	124	9	11	6.5	11.0	98	13	14	5.0	9.5																				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month July 1961

Frequency (Mc)

Hour (LST)						.051					.160					.495																								
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00						141			6.0	11.0	125			*4.5	*8.0	98			3.5	6.5																				
01						142			6.0	10.5	127			*5.5	*9.5	103			*4.0	*9.0																				
02						143			6.0	10.5	125			5.5	10.0	103			4.0	8.0																				
03						143			*7.0	*12.0	124			*6.0	*11.0	101			4.5	9.5																				
04						142			7.5	13.0	123			*6.5	*12.0	106			*6.0	*11.0																				
05						139			8.0	14.0	121			*8.0	*15.5	107			7.5	15.5																				
06						137			11.0	18.0	121			*8.0	*15.5	93			*7.0	*16.5																				
07						137			*11.0	*17.0	122			9.5	16.5	90			*8.0	*17.0																				
08						135			*11.0	*17.5	118			*10.0	*17.0	84			*5.0	*9.0																				
09						133			*9.5	*16.5	117			*9.0	*16.0	84			*4.5	*7.5																				
10						133			9.5	14.5	117			9.0	16.0	82			*8.5	*16.5																				
11						134			*8.0	*14.0	113			*8.5	*15.5	96			9.0	15.0																				
12						137			7.5	12.5	116			7.5	13.5	84			7.0	11.5																				
13						139			*5.0	*9.0	119			6.5	11.0	91			7.5	13.5																				
14						137			5.5	9.0	121			5.0	9.5	100			5.5	9.5																				
15						141			5.0	8.5	120			5.5	9.0	96			4.0	8.0																				
16						141			5.0	8.5	119			5.0	8.5	102			6.0	11.0																				
17						141			*4.0	*7.5	120			4.0	8.0	100			5.0	9.0																				
18						140			5.0	9.0	119			5.0	6.5	98			5.0	9.5																				
19						140			5.5	9.0	120			4.0	7.5	96			4.0	6.5																				
20						140			5.0	9.0	121			4.5	8.5	98			5.0	8.5																				
21						141			*5.0	*8.5	129			*4.5	*8.0	99			3.5	7.0																				
22						141			6.0	10.5	123			*4.5	*8.0	104			5.0	9.0																				
23						141			6.0	10.5	123			4.0	7.5	98			2.0	5.0																				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month August 19 61

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495																							
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	6	3			141	6	4			118	11	2			101	8	5																				
01	158	5	4			141	9	4			119	11	3			101	10	3																				
02	158	6	3			141	10	4			120	13	4			101	10	2																				
03	158	5	4			141	8	4			120	11	4			102	10	4																				
04	156	7	1			139	8	2			118	10	3			101	10	8																				
05	156	4	2			137	10	4			116	14	11			91	18	18																				
06	154	4	2			133	10	2			114	12	14			79	22	6																				
07	154	3	3			133	7	4			110	14	13			83	18	10																				
08	154	4	5			133	9	4			108	17	10			83	20	10																				
09	154	2	8			131	8	4			102	22	6			*73																						
10	*154					*131					*110					*81																						
11	*155					*133					*108					*79																						
12	156	2	2			135	6	4			112	10	12			83	18	10																				
13	158	4	2			137	4	2			115	9	9			*85																						
14	*160					*140					114	12	6			83	16	8																				
15	162	3	5			139	6	4			118	6	8			91	14	17																				
16	160	4	2			139	8	4			118	8	8			91	14	15																				
17	160	4	3			139	8	5			119	8	9			93	14	15																				
18	160	2	4			139	7	5			116	11	4			91	14	12																				
19	158	2	2			141	4	6			119	9	7			95	8	8																				
20	158	3	2			139	7	4			120	9	6			97	9	6																				
21	158	4	4			139	10	4			120	9	4			99	8	6																				
22	156	6	2			139	7	2			119	10	3			99	10	2																				
23	156	8	2			139	10	2			118	12	2			99	15	2																				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

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MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month September 19 61

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495																							
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	10	6			143	15	9			120	16	10			101	12	10																					
01	154	6	4			142	14	8			122	16	14			100	13	9																					
02	154	9	6			142	14	8			120	16	10			99	14	10																					
03	154	10	7			142	10	8			121	13	9			97	14	6																					
04	152	8	8			142	11	9			118	16	10			95	14	8																					
05	152	10	7			138	12	10			114	20	12			82	29	9																					
06	150	9	4			134	19	6			106	31	18			73	46	2																					
07	150	14	8			132	26	8			108	34	20			80	42	9																					
08	151	12	9			136	18	10			108	29	19			81	36	10																					
09	150	16	10			134	22	8			116	24	28			79	44	8																					
10	*156					*138					117	28	26			79	46	8																					
11	153	20	9			136	21	8			108	26	19			73	36	2																					
12	152	13	5			136	15	7			111	21	21			73	42	2																					
13	156	10	8			139	19	10			116	23	24			89	26	18																					
14	157	19	11			142	14	13			118	18	25			89	24	18																					
15	158	8	10			142	14	13			122	15	23			91	25	20																					
16	156	11	7			144	12	12			122	11	29			91	22	20																					
17	156	9	6			144	13	12			120	16	27			91	26	20																					
18	154	8	6			144	12	12			120	18	16			95	20	18																					
19	154	12	7			144	14	16			123	13	15			97	14	12																					
20	154	10	7			144	10	13			122	14	10			97	14	9																					
21	155	7	5			144	12	8			120	17	8			97	16	8																					
22	156	4	8			144	7	8			120	19	14			99	14	6																					
23	154	10	6			142	13	11			121	17	16			99	14	6																					

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month October 19 61

Hour (LST)	Frequency (Mc) .013					.051					.160					.495																								
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	17	5			136	18	8			118	18	11			97	20	22																						
01	155	14	6			134	14	6			117	21	9			94	24	19																						
02	155	16	8			135	19	7			118	19	9			93	21	16																						
03	155	9	8			136	12	8			114	16	6			93	14	20																						
04	155	8	8			134	8	10			113	18	6			91	16	18																						
05	153	10	7			132	14	10			110	21	14			86	17	21																						
06	151	11	7			128	18	8			98	28	10			73	16	10																						
07	151	10	8			124	18	8			94	26	13			72	27	9																						
08	151	8	10			124	20	10			93	31	12			72	29	7																						
09	151	9	10			122	26	9			*90					*65																								
10	*153					*122					*93					*69																								
11	*153					*122					*90					72	19	7																						
12	151	11	5			124	17	8			*92					69	22	5																						
13	152	9	6			124	20	10			90	36	10			69	30	6																						
14	152	5	18			*124					*94					*68																								
15	153	6	6			*124					*96					65	24	0																						
16	151	5	8			128	8	10			*111					72	30	7																						
17	153	12	5			127	18	8			*107					81	28	15																						
18	155	10	4			130	20	13			110	22	8			86	27	11																						
19	155	13	7			132	10	11			*111					91	10	18																						
20	158	9	6			134	4	8			*114					92	22	17																						
21	155	16	5			134	15	8			*116					99	18	22																						
22	156	12	6			136	20	7			119	13	10			95	22	20																						
23	155	22	12			134	25	9			117	23	5			93	26	18																						

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo.   Lat. 38.7N Long. 93.8W   Month November 19 61

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm
00	153	8	8			128	12	6			105	14	11			89	16	8		
01	153	6	4			128	12	10			105	15	13			89	18	13		
02	153	7	5			129	11	8			105	13	11			89	15	11		
03	153	5	4			128	10	9			105	12	15			87	14	12		
04	152	5	4			128	8	8			101	14	15			85	14	14		
05	151	6	4			126	9	9			93	20	9			79	16	8		
06	151	7	5			122	13	9			89	19	8			72	13	4		
07	151	4	6			120	11	8			85	15	9			69	29	1		
08	149	4	13			116	12	6			85	22	9			69	34	5		
09	149	4	14			116	12	5			83	23	2			70	29	2		
10	149	5	2			117	11	7			86	27	6			71	30	2		
11	150	6	2			117	15	6			104	13	22			71	15	2		
12	152	5	3			118	20	6			83	25	1			72	9	3		
13	151	5	2			119	10	7			83	31	2			70	10	3		
14	153	8	4			116	13	3			83	33	1			69	16	0		
15	149	6	8			114	21	4			83	36	1			69	7	2		
16	149	9	4			118	16	8			101	14	18			71	12	2		
17	149	10	2			120	17	5			99	18	15			80	18	11		
18	151	10	4			125	12	5			98	19	6			85	19	11		
19	153	9	6			126	13	4			100	17	8			87	14	6		
20	153	5	4			128	11	6			102	12	6			88	11	5		
21	153	5	4			128	9	7			103	14	5			89	10	6		
22	152	8	3			128	11	6			105	15	8			89	14	7		
23	153	8	3			128	10	3			103	14	6			89	15	6		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

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MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo Lat. 38.7N Long. 93.8W Month December 19 61

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm
00	155	6	4			130	8	8		
01	157	4	6			130	8	8		
02	155	8	4			130	8	6		
03	155	8	4			130	8	6		
04	155	8	4			128	10	4		
05	155	8	4			127	9	7		
06	155	6	6			128	10	8		
07	155	6	6			122	12	4		
08	153	6	4			120	13	6		
09	151	6	5			120	9	7		
10	152	5	5			*122				
11	*149					122	8	10		
12	151	7	4			119	10	5		
13	152	5	5			119	7	4		
14	151	6	4			120	8	6		
15	151	4	4			119	8	6		
16	149	6	4			120	8	4		
17	149	6	4			120	10	4		
18	151	6	4			122	10	6		
19	153	6	6			125	5	9		
20	152	5	5			126	6	8		
21	153	2	6			126	8	6		
22	153	6	4			126	6	8		
23	153	8	4			126	8	4		

Hour (LST)	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	108	9	11			93	6	11		
01	108	12	9			91	11	9		
02	108	12	10			90	13	9		
03	104	12	6			87	12	7		
04	102	14	6			87	14	15		
05	103	13	15			85	14	17		
06	98	14	12			75	20	7		
07	88	20	2			71	10	3		
08	86	18	1			71	14	3		
09	*87					71	7	3		
10	*90					*71				
11	*87					71	6	3		
12	86	12	0			73	7	5		
13	*86					71	8	3		
14	*87					71	9	3		
15	*86					71	10	3		
16	*86					71	9	3		
17	94	11	8			75	17	5		
18	98	12	9			79	19	8		
19	100	10	13			81	14	10		
20	*99					86	9	10		
21	104	9	13			86	9	7		
22	106	8	12			87	10	8		
23	108	8	9			89	12	7		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

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MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo Lat. 38.7N Long. 93.8W Month January 19 62

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	151	7	4			127	15	11			102	12	5			85	12	9		
01	152	6	3			124	17	7			104	11	7			84	14	8		
02	152	6	3			127	14	10			100	14	5			83	12	8		
03	153	5	3			129	13	11			101	10	7			81	13	8		
04	152	5	5			126	15	8			100	9	6			77	13	6		
05	152	4	5			123	17	8			97	16	5			75	12	4		
06	152	5	4			123	18	5			96	12	6			75	10	4		
07	152	5	4			122	17	4			88	16	0			73	11	2		
08	152	2	4			117	24	4			88	15	0			71	12	0		
09	148	4	4			*117					*88					*73				
10	*146					*115					*88					*71				
11	146	6	4			*113					*88					71	8	0		
12	*146					115	22	2			*88					71	8	0		
13	148	6	4			118	19	5			*91					71	10	0		
14	148	8	11			*117					*88					*71				
15	*147					*117					*95					71	8	0		
16	148	8	6			*117					94	11	6			73	8	2		
17	146	8	5			119	17	6			98	14	10			75	13	4		
18	146	9	5			123	13	10			102	14	13			81	12	10		
19	150	9	9			125	15	12			101	18	13			82	18	11		
20	150	8	8			125	11	12			102	16	11			83	17	10		
21	150	6	9			128	9	15			105	11	10			83	16	8		
22	149	7	2			129	8	15			108	10	14			83	16	7		
23	150	7	3			127	15	11			101	14	6			83	14	6		

Frequency (Mc)

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo Lat. 38.7N Long. 93.8W Month February 1962

Hour (LST)	Frequency (Mc) .013					.051					.160					.495																								
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	157	5	8			147	6	8			122	6	20			102	10	17																						
01	157	5	7			147	8	6			122	6	20			100	10	16																						
02	157	4	7			145	8	4			122	6	19			100	11	16																						
03	158	3	8			146	7	5			120	8	17			100	9	17																						
04	158	3	8			146	7	6			119	7	18			100	11	18																						
05	157	4	7			147	5	8			122	4	23			100	9	19																						
06	155	6	5			145	9	5			116	9	20			100	8	22																						
07	155	5	5			145	7	7			122	2	29			97	11	19																						
08	155	5	7			146	7	10			102	22	6			93	15	15																						
09	155	6	6			145	6	9			118	4	24			99	9	21																						
10	155	5	7			143	6	12			118	4	22			100	7	22																						
11	153	8	8			142	7	10			114	9	22			103	4	26																						
12	154	7	9			143	6	9			107	15	14			102	5	26																						
13	153	8	7			143	7	11			118	5	25			102	4	26																						
14	153	8	7			141	9	8			102	20	10			86	20	8																						
15	154	9	11			142	8	10			118	4	26			100	6	24																						
16	153	8	10			143	9	9			120	7	27			96	11	20																						
17	155	6	11			143	8	9			120	5	24			98	9	20																						
18	155	6	9			142	9	10			120	5	22			100	8	20																						
19	157	4	10			143	10	10			120	6	22			102	6	22																						
20	155	6	10			143	9	10			120	6	17			100	8	20																						
21	155	6	6			143	8	8			120	6	21			102	6	19																						
22	157	4	10			143	10	8			121	6	22			104	6	20																						
23	156	7	7			143	10	4			122	5	18			100	10	16																						

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month March 19 62

Hour (LST)	Frequency (Mc) .013					.051					.160					.495																								
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	*158					148	6	20			122	2	16			104	2	12																						
01	*158					*148					120	4	14			102	4	16																						
02	156	6	6			*147					120	6	16			102	4	16																						
03	*156					*146					120	6	18			104	4	24																						
04	*155					*146					120	6	24			102	6	26																						
05	*156					*146					120	6	32			102	6	34																						
06	*155					146	6	26			120	4	34			102	4	34																						
07	152	8	8			*146					120	6	34			104	2	36																						
08	154	6	12			*146					120	2	34			104	2	36																						
09	*156					*145					*118					*104																								
10	*156					*142					*118					*103																								
11	*156					142	10	22			116	10	28			104	4	34																						
12	153	9	8			143	7	27			117	7	30			102	4	34																						
13	152	8	6			*142					116	6	10			*102																								
14	*150					*142					*120					*102																								
15	*150					*142					*118					*102																								
16	154	6	8			*143					120	4	16			102	2	34																						
17	154	6	10			145	5	27			120	4	24			102	4	34																						
18	154	8	10			146	4	28			120	6	24			102	4	30																						
19	158	2	14			145	7	23			120	6	25			102	4	25																						
20	158	2	12			146	4	22			120	6	21			102	4	14																						
21	156	4	10			145	5	21			120	4	9			103	3	20																						
22	158	4	10			145	7	21			120	8	15			102	6	19																						
23	158	4	10			146	4	22			120	6	25			102	6	19																						

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month April 19 62

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	5	9			137	10	12			114	11	15			97	7	13																						
01	155	7	7			137	10	12			113	12	14			97	7	11																						
02	154	8	6			138	7	13			113	12	14			96	10	16																						
03	154	8	6			137	10	10			113	13	12			94	8	12																						
04	154	8	6			136	11	11			111	16	10			92	12	10																						
05	154	8	6			135	10	12			105	18	14			77	25	9																						
06	152	8	4			133	10	16			101	24	16			71	28	3																						
07	152	8	6			132	11	19			99	26	14			73	27	5																						
08	152	10	4			131	10	16			101	24	16			70	28	2																						
09	152	10	6			131	9	12			95	27	10			70	36	2																						
10	153	9	7			129	14	10			99	25	14			70	34	2																						
11	152	8	5			129	17	12			98	26	13			71	39	3																						
12	152	14	5			131	19	11			107	23	17			74	35	6																						
13	154	11	4			131	19	10			105	26	19			72	36	4																						
14	154	9	4			131	16	10			108	21	23			76	30	8																						
15	154	12	4			131	17	11			106	22	21			72	35	4																						
16	155	11	7			131	16	10			101	26	16			70	35	2																						
17	152	14	4			131	16	14			105	21	18			70	30	2																						
18	152	12	4			131	16	12			107	17	15			84	15	16																						
19	152	10	4			133	12	7			111	14	9			92	11	14																						
20	154	10	6			133	16	4			113	14	6			96	6	14																						
21	154	11	6			133	15	6			113	14	10			96	8	10																						
22	154	11	6			134	16	5			115	10	14			98	8	14																						
23	156	7	6			135	13	8			115	12	16			98	8	12																						

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Season Spring (Mar. Apr. May) 19 62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	158	4	5	10.0	16.5	159	4	5	10.0	16.0	157	5	6	12.5	17.0	160	4	5	11.0	17.0	160	4	5	10.0	15.5	158	5	5	10.0	15.5
.051	138	6	6	9.0	15.0	135	7	8	10.5	16.5	130	9	11	12.5	19.0	133	8	8	10.0	16.5	134	7	7	10.0	16.0	137	5	6	8.5	13.7
.160	118	6	6	7.5	14.0	112	9	15	10.5	18.0	105	14	17	12.5	21.5	108	12	14	11.0	17.5	111	9	8	10.0	16.5	117	6	6	7.5	13.0
.495	97	7	6	7.5	13.0	92	9	13	8.5	15.5	86	12	10	8.0	11.5	87	14	9	7.0	11.0	92	10	7	7.5	12.0	96	7	6	6.0	11.0
2.5	67	4	6	6.0	11.0	63	7	9	7.5	13.0	40	15	9	7.0	10.5	40	18	10	6.5	11.0	53	10	8	6.5	11.0	66	4	6	5.5	10.0
5	60	4	5	5.0	8.5	56	4	5	5.5	9.5	36	9	6	5.5	8.0	36	13	6	5.0	7.0	54	6	6	5.0	8.0	62	4	4	4.0	6.5
10	47	6	7	3.0	5.0	42	5	5	3.0	5.5	36	6	6	4.0	6.5	38	6	6	4.0	7.0	49	4	4	3.5	6.0	50	5	6	3.0	5.5
20	25	2	2	1.5	2.5	25	2	2	1.5	2.5	26	4	3	2.5	3.5	28	6	2	3.5	5.0	29	4	3	3.5	5.5	25	3	2	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Season Winter (Dec. Jan. Feb.) 1961-62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u ***	D_ℓ **	V_{dm}	L_{dm}	F_{am}	D_u ***	D_ℓ **	V_{dm}	L_{dm}	F_{am}	D_u ***	D_ℓ **	V_{dm}	L_{dm}	F_{am}	D_u ***	D_ℓ **	V_{dm}	L_{dm}	F_{am}	D_u ***	D_ℓ **	V_{dm}	L_{dm}	F_{am}	D_u ***	D_ℓ **	V_{dm}	L_{dm}
*** .013	149	4	5	9.0	13.0	147	3	4	7.0	12.0	141	6	2	7.0	11.0	140	9	5	4.0	8.0	141	4	8	3.0	8.0	145	6	7	7.5	11.5
*** .051	121	9	8	9.0	14.5	117	6	6	8.5	15.0	102	13	4	9.0	13.5	101	14	12	7.0	13.0	110	9	14	6.0	12.5	119	8	11	8.5	15.5
*** .160	93	12	11	8.5	15.0	83	10	8	8.5	12.0	70	16	10	6.0	9.0	74	10	16	3.0	5.0	82	12	18	5.5	11.5	92	12	14	8.5	13.5
*** .495	83	14	10	8.5	14.5	72	10	12	7.0	15.0	60	8	4	3.0	7.5	64	5	7	4.5	10.5	69	14	14	6.0	11.0	96	13	12	7.5	13.0
2.5	50	12	8			46	9	6			39	3	2			34	3	2			43	8	7			50	9	9		
5	54	5	13			52	5	13			35	5	12			37	6	11			52	5	12			53	6	14		
10	39	17	17			42	6	16			40	6	16			44	5	14			45	10	17			41	15	23		
20	36	18	3			34	18	4			36	14	6			37	16	6			36	18	4			35	18	3		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

** No December or January Data

*** No January or February Data for Voltage and Log

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Season (Spring, Mar. Apr. May) 19 62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	7	4	11.0	17.5	153	6	5	11.5	17.5	152	7	5	11.5	17.5	156	7	6	11.0	16.5	156	7	6	10.5	16.0	157	7	6	11.0	16.5
.051	130	9	8	9.0	15.5	122	10	9	10.0	17.0	116	13	10	11.0	18.5	123	13	10	9.5	16.0	128	10	12	8.5	14.5	131	8	8	8.0	14.0
.160	108	10	10	7.5	14.0	92	17	15	8.0	14.0	89	18	15	7.0	12.5	94	21	14	6.0	11.5	105	13	14	6.5	12.0	110	11	11	7.0	13.0
2.5	66	9	8	5.0	9.0	53	7	6	4.0	6.5	48	8	4	2.5	4.0	51	17	5	2.5	4.5	58	13	6	4.0	6.5	67	9	7	5.0	8.5
5	58	6	4	5.5	9.5	49	7	5	4.5	7.0	39	7	4	2.5	4.5	43	11	5	3.0	5.5	54	7	7	4.5	8.0	61	6	6	5.0	9.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Season Fall (Mar. Apr. May) 19.62

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	3	2	8.0	12.0	155	4	2	9.0	14.0	151	5	4	11.5	17.5	153	4	4	12.0	17.0	155	3	3	8.5	14.0	156	3	3	8.0	12.5
.051	130	5	4	9.0	14.0	126	6	5	9.0	14.0	113	10	7	12.5	19.0	119	9	6	11.0	18.0	123	8	7	9.5	16.0	130	4	4	8.5	14.5
.160	106	7	5	8.0	13.0	92	9	7	9.5	16.0	72	20	9	11.0	16.5	79	16	9	10.0	16.5	94	12	11	9.5	17.0	106	6	6	8.0	13.5
.545	85	9	6	7.5	13.0	65	12	8	8.5	13.5	46	13	6	9.0	13.0	49	17	6	5.5	9.0	71	12	7	6.5	12.0	87	7	6	6.5	12.0
2.5	57	10	7	6.5	11.5	48	10	6	6.5	11.0	21	12	2	5.0	7.0	20	12	1	5.0	8.5	43	13	8	7.5	13.0	58	8	7	6.5	11.5
5	52	6	6	5.5	9.5	51	6	7	5.0	8.0	22	13	6	6.0	8.5	22	12	5	6.0	10.0	44	11	7	6.5	11.0	54	6	6	6.0	10.5
10	41	5	5	4.0	7.0	38	6	6	3.5	6.0	27	7	4	5.0	7.0	29	8	5	5.0	7.5	41	6	5	4.0	7.0	42	6	5	4.0	7.0
20	22	1	1	2.5	4.0	23	1	1	2.5	4.0	22	3	2	3.0	4.5	23	3	2	4.0	6.0	23	4	2	3.0	4.0	22	2	1	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5N Long. 17.3E Season Spring (Mar. Apr. May) 1962

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	3	3	10.0	15.5	148	4	4	11.0	17.5	147	4	4	10.5	16.5	151	5	4	8.5	13.0	150	4	3	7.5	12.0	151	4	3	8.0	13.5
.051	116	7	4	8.0	13.5	106	9	6	11.0	16.0	105	11	5	11.5	17.0	111	11	8	10.5	15.5	115	8	7	11.0	17.0	119	7	5	8.0	13.0
.160	102	7	7	4.5	9.5	92	7	8	4.0	8.0	90	6	7	5.0	8.5	91	9	7	7.0	12.0	93	7	7	6.0	10.5	101	7	7	5.5	9.5
.495	74	14	7	4.0	6.5	59	7	4	2.5	5.0	54	5	4	3.0	5.5	55	9	4	3.0	5.0	66	8	4	3.0	4.5	76	13	6	3.0	5.5
2.5	59	7	5	6.0	10.5	47	8	5	5.5	10.0	33	5	4	4.0	6.5	35	4	5	4.0	6.0	48	7	4	3.5	7.0	61	5	4	5.0	9.0
5	55	6	4	4.0	7.0	46	6	3	4.0	6.5	35	7	5	6.5	9.0	36	8	7	6.5	10.0	51	7	4	4.0	7.0	58	6	4	3.5	6.5
10	40	8	5	2.5	5.0	42	7	6	3.0	5.0	42	8	4	4.5	7.5	48	6	6	6.0	9.5	50	12	7	4.0	7.5	45	15	7	3.5	6.5
20	20	0	2	1.5	3.0	20	2	2	1.5	3.5	20	3	3	2.0	3.5	22	4	3	2.5	4.5	21	4	3	2.0	4.0	19	2	2	1.5	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-B

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W Season Spring (Mar. Apr. May) 19 62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	109	8	9			98	12	9			91	14	6			94	20	8			101	>14	10			111	8	10		
.500	87	8	9			69	11	7			59	10	3			63	20	5			69	18	8			87	8	9		
2.5	71	7	10			54	9	7			32	8	2			32	17	3			50	15	7			72	8	9		
5	64	6	7			54	8	6			35	7	4			36	14	4			56	11	6			66	6	7		
10	40	6	3			39	6	3			35	7	3			38	8	4			49	7	5			46	6	6		
20	23	1	1			23	0	1			24	1	1			24	4	1			25	4	2			23	3	1		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha(Kauai), T. H. Lat. 22.0N Long. 159.7W Season Spring (Mar. Apr. May) 19 62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	6	6	10.0	16.0	154	6	4	10.0	16.5	150	8	3	11.0	17.0	150	8	4	12.0	18.5	149	8	4	12.0	19.5	151	8	3	10.0	16.0
.051	130	9	6	11.0	18.0	126	11	4	11.0	18.5	111	22	10	12.0	18.0	114	18	10	13.0	20.0	109	23	8	11.0	17.0	124	14	6	12.0	19.5
.160	105	15	6	10.5	18.0	95	20	8	9.5	17.0	82	32	11	9.5	17.0	79	32	8	8.5	15.0	83	30	9	8.5	15.5	102	16	9	11.5	19.5
.495	84	17	8	9.0	17.5	71	24	10	7.5	13.5	56	37	8	5.5	10.0	56	36	10	6.0	9.0	62	32	11	6.5	10.5	81	19	8	10.0	17.5
2.5	58	13	6	8.0	14.0	54	14	6	7.0	11.5	36	19	5	3.5	6.0	34	21	4	4.0	6.5	39	19	7	4.5	7.5	56	14	6	8.0	13.0
5	61	9	6	6.5	11.5	49	8	6	6.5	10.5	29	15	6	6.0	10.0	26	15	6	6.5	10.0	39	13	8	7.0	12.5	52	8	5	6.5	11.0
10	42	9	5	3.5	5.5	36	6	4	3.5	5.5	25	13	5	5.5	8.5	23	15	6	7.0	10.5	46	5	7	3.0	5.5	47	5	6	3.0	5.0
20	24	1	1	1.5	3.0	24	1	1	2.0	3.5	22	2	2	2.5	4.5	22	4	2	2.5	5.0	25	2	3	3.0	4.5	24	2	1	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Season Spring (Mar. Apr. May) 19 62

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	4	4	7.0	11.0	149	4	4	8.0	12.0	147	4	3	10.5	14.0	148	4	4	9.5	14.0	150	5	4	7.0	11.5	152	4	4	7.0	11.5
.051	125	5	2	8.5	13.5	117	7	5	9.5	14.0	109	9	5	10.0	13.5	113	9	6	8.5	13.0	114	10	5	8.5	13.0	124	7	3	8.5	14.0
.160	104	7	5	8.0	14.0	88	11	9	9.0	15.5	76	16	7	6.5	11.5	78	18	9	5.5	9.0	88	15	8	9.0	15.0	102	10	6	6.5	12.0
.495	82	9	6	7.0	12.5	63	10	5	5.0	8.0	60	9	4	3.5	6.0	59	11	3	6.0	11.0	68	14	6	7.0	12.0	81	11	6	7.0	12.5
2.5	58	9	6	5.0	8.5	48	9	5	6.0	9.0	39	3	4	8.0	11.0	36	5	2	7.5	10.0	46	10	4	8.0	12.0	58	10	6	6.0	9.5
5	57	7	4	4.5	8.0	50	7	5	4.5	7.5	35	4	3	7.5	10.0	34	7	4	7.0	9.0	51	8	4	5.5	9.0	66	7	6	5.0	8.5
10	40	6	4	4.0	7.0	36	6	3	4.0	6.5	29	8	4	4.5	6.5	31	7	5	4.0	7.0	42	5	4	5.0	7.5	43	11	5	4.5	7.5
20	25	1	1	1.0	2.5	25	2	1	2.0	2.5	25	3	1	2.0	4.0	26	3	2	2.5	4.0	27	3	2	2.5	4.0	25	2	2	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Season Fall (Mar. Apr. May) 1962

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	140	6	3			138	6	3			136	7	5			141	5	5			143	5	5			142	6	4		
.051	130	12	4			126	12	6			119	14	8			128	11	7			131	11	7			132	10	6		
.160	108	13	6			94	17	10			84	20	12			94	18	14			103	16	13			110	13	8		
.495	94	13	6			80	16	11			73	13	13			74	16	13			87	12	13			97	12	7		
2.5	64	10	7			56	10	7			43	6	8			44	14	6			56	12	10			68	9	8		
5	56	8	5			50	9	6			39	12	9			40	11	8			54	10	9			56	8	6		
10	33	7	5			31	7	4			26	12	6			30	10	8			48	5	6			36	7	4		
20	20	1	0			20	1	0			20	2	0			21	4	1			22	4	1			20	2	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8W Season Spring (Mar. Apr. May) 19 62

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	3	3			154	3	4			151	4	4			155	5	4			155	5	3			155	4	4		
.051	130	5	3			123	8	6			114	8	7			122	10	7			123	13	8			129	6	5		
.160	114	5	7			102	9	8			100	9	7			102	10	11			105	14	12			112	7	5		
.495	86	6	6			69	13	6			62	11	8			68	20	12			75	23	10			88	8	6		
2.5	59	8	8			53	6	7			38	15	7			38	11	8			50	10	10			60	9	8		
5	56	6	10			49	7	9			29	10	7			29	12	8			46	11	14			55	10	17		
10	46	5	6			41	5	7			32	14	8			34	15	12			49	16	12			46	8	8		
20	25	3	4			25	6	4			28	10	6			28	9	6			30	7	7			25	3	6		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Season Spring (Mar. Apr. May) 19 61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	138	11	6	9.0	15.5	133	13	11	9.0	16.0	129	17	11	11.5	18.5	129	17	7	9.0	15.0	132	16	9	8.0	13.5	138	11	9	7.5	13.0
.160	117	15	12	7.5	13.5	107	22	19	7.5	12.5	103	26	20	8.0	14.5	103	28	14	7.5	13.0	110	19	15	7.0	12.5	117	14	9	6.5	12.0
.495	98	19	13	6.0	11.5	79	30	15	5.5	9.5	73	32	13	4.5	8.0	72	38	11	4.5	8.0	80	30	12	5.0	9.5	98	15	11	5.0	10.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Season Summer (*** July Aug) 19 61

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm} **	L_{dm} **	F_{am}	D_u	D_ℓ	V_{dm} **	L_{dm} **	F_{am}	D_u	D_ℓ	V_{dm} **	L_{dm} **	F_{am}	D_u	D_ℓ	V_{dm} **	L_{dm} **	F_{am}	D_u	D_ℓ	V_{dm} **	L_{dm} **	F_{am}	D_u	D_ℓ	V_{dm} **	L_{dm} **
** .013	158	6	4			155	4	2			154	3	6			159	3	3			160	3	3			157	5	3		
.051	142	8	4	6.0	11.0	137	9	3	9.5	15.5	133	8	4	9.5	15.5	138	5	3	6.0	10.0	140	7	5	5.0	8.5	140	8	3	5.5	9.5
.160	122	12	3	5.5	9.5	118	12	10	8.0	15.0	112	20	8	9.0	16.0	117	9	9	6.0	11.0	119	9	7	4.5	7.5	122	10	4	4.5	8.0
.495	101	10	3	4.0	8.0	94	17	10	7.0	15.0	83	20	10	7.0	12.0	89	16	12	6.0	10.5	96	12	12	5.0	9.0	99	10	4	4.0	7.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No June Data
** No June or July Data

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Season Fall (Sept. Oct. Nov.) 19 61

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	10	6			152	8	6			151	9	9			153	9	7			153	10	6			154	10	6		
.051	135	13	8			130	14	8			125	17	8			127	16	8			132	14	10			135	12	8		
.160	114	16	11			102	22	12			98	25	16			98	26	12			110	16	16			114	16	9		
.495	94	16	13			80	23	9			73	32	5			74	21	7			86	20	13			94	16	11		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station ~~Warrensburg, Mo.~~ Lat. 38.7N Long. 93.8W Season Winter (Dec. Jan. Feb.) 1961-62

	TIME BLOCKS (LST)																								
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	6	5			154	5	5			151	4	4			151	6	6			151	7	7			153	6	6		
.051	134	10	8			132	11	6			127	10	8			126	10	7			128	10	8			132	9	9		
.160	110	10	11			104	11	12			96	12	12			96	11	15			104	10	15			110	9	14		
.495	91	11	11			85	12	11			80	7	8			80	9	9			84	12	11			90	11	11		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

Corrigendum for

Technical Notes 18-1 through 18-11

The following corrected values should be used in place of the originally published values in Technical Notes 18-1 through 18-11.

Corrections to seasonal time block values of radio noise published in NBS Technical Note No. 18-1

Station	Year	Season	Time	Freq. Mc/s	F_{am}		V_d		L_d	
					Published	Should be	Published	Should be	Published	Should be
Bill	1957	Summer	12-16	.113	125	123				
Boulder	1957	Fall	04-08	.115	116	107				
Boulder	1957	Fall	16-20	.246	95	98				
Front Royal	1957	Fall	20-24	.535	86	88				
Balboa	1957-58	Winter	08-12	10.0	41	21				
Bill	1957-58	Winter	16-20	5.0	40	42				
Front Royal	1957-58	Winter	08-12	5.0	36	34				
Pretoria	1957-58	Summer	12-16	.113	126	124				
Cook	1958	Spring	04-08	.545	59	61				
Cook	1958	Spring	20-24	5.0	58	59				
Enkoping	1958	Spring	16-20	5.0	43	41				
Ibadan	1958	Spring	04-08	.246	143	101				
Pretoria	1958	Spring	12-16	2.5	44	48				
Rabat	1958	Spring	16-20	.545	80	74				
Boulder	1958	Summer	08-12	.495	77	74				
Enkoping	1958	Summer	12-16	5.0	35	33				
Ibadan	1958	Summer	20-24	.246	106	109				
Ibadan	1958	Summer	08-12	2.5	41	43				
Ibadan	1958	Summer	16-20	20.0	19	29				
Kekaha	1958	Summer	04-08	.160	85	83				
Rabat	1958	Summer	20-24	.051	126	128				
Balboa	1958	Fall	08-12	5.0	39	34				
Balboa	1958	Fall	12-16	.051	136	139				
Boulder	1958	Fall	20-24	2.5	56	60				
Enkoping	1958	Fall	04-08	.051	114	113				
Enkoping	1958	Fall	08-12	2.5	40	42				
Enkoping	1958	Fall	16-20	.246	93	91				
Ibadan	1958	Fall	00-04	.113	112	122				
Ohira	1958	Fall	20-24	2.5	49	53				
Singapore	1958	Fall	08-12	2.5	48	42				
Balboa	1958-59	Winter	00-04	20.0	19	23				
Front Royal	1958-59	Winter	12-16	.135	96	92				
Kekaha	1958-59	Winter	08-12	.051	113	110				

18-1 (continued)

Station	Year	Season	Time	Freq. Mc/s	F_{am}		V_d		L_d	
					Published	Should be	Published	Should be	Published	Should be
Ohira	1958-59	Winter	16-20	.160	98	90				
Rabat	1958-59	Winter	00-04	5.0	63	56				
Singapore	1958-59	Winter	08-12	.545	67	65				
				TECHNICAL NOTE 18-2						
Cook	1959	Spring	00-04	.545	69	83				
Ibadan	1959	Spring	12-16	5.0	45	43				
Singapore	1959	Spring	12-16	.160	118	116				
				TECHNICAL NOTE 18-3						
Bill	1959	Summer	20-24	20.0	35	28				
Front Royal	1959	Summer	16-20	.500	87	83				
Ohira	1959	Summer	00-04	.545	77	84				
Ohira	1959	Summer	08-12	5.0	27	30				
Ohira	1959	Summer	16-20	.545	67	74				
Rabat	1959	Summer	04-08	.545	76	74				
Rabat	1959	Summer	08-12	.545	76	74				
Rabat	1959	Summer	08-12	10.0	41	31				
				TECHNICAL NOTE 18-4						
Balboa	1959	Fall	00-04	5.0	70	60				
Balboa	1959	Fall	08-12	.246	92	100				
Balboa	1959	Fall	16-20	20.0	21	31				
Bill	1959	Fall	08-12	2.5	31	33				
Boulder	1959	Fall	12-16	2.5	62	46				
Boulder	1959	Fall	20-24	2.5	54	60				
Cook	1959	Spring	04-08	5.0	46	44				
Cook	1959	Spring	16-20	.545	76	68				
Enkoping	1959	Fall	00-04	.051	128	118				
Enkoping	1959	Fall	12-16	2.5	39	41				

18-4 (continued)

Station	Year	Season	Time	Freq. Mc/s	F_{am} Published	F_{am} Should be	V_d Published	V_d Should be	L_d Published	L_d Should be
Kekaha	1959	Fall	20-24	5.0	61	56				
Ohira	1959	Fall	16-20	10.0	58	48				
Pretoria	1959	Spring	16-20	10.0	49	46				
Rabat	1959	Fall	04-08	5.0	49	54				
Sao Jose	1959	Spring	00-04	10.0	43	46				

TECHNICAL NOTE 18-5

Bill	1959-60	Winter	20-24	10.0	42	40				
Boulder	1959-60	Winter	12-16	.495	58	62				
Boulder	1959-60	Winter	16-20	.013	146	143				
Boulder	1959-60	Winter	16-20	.051	124	112				
Enkoping	1959-60	Winter	08-12	.051	92	99				
Enkoping	1959-60	Winter	08-12	5.0	54	32				
Enkoping	1959-60	Winter	20-24	2.5	36	48				
Enkoping	1959-60	Winter	12-16	.246	Blank	66				
Enkoping	1959-60	Winter	08-12	.246	66	Blank				
Enkoping	1959-60	Winter	12-16	.246			Blank	3.5		
Enkoping	1959-60	Winter	08-12	.246			3.5	Blank		
Enkoping	1959-60	Winter	12-16	.246					Blank	6.0
Enkoping	1959-60	Winter	08-12	.246					6.0	Blank
Kekaha	1959-60	Winter	16-20	.160	79	77				
Kekaha	1959-60	Winter	20-24	.495	70	76				
Ohira	1959-60	Winter	20-24	.160	102	100				
Pretoria	1959-60	Summer	04-08	2.5	55	52				
Pretoria	1959-60	Summer	16-20	.051	114	136				
Singapore	1959-60	Winter	04-08	5.0	53	51				

TECHNICAL NOTE 18-6

Station	Year	Season	Time	Freq. Mc/s	F_{am}		V_d		L_d	
					Published	Should be	Published	Should be	Published	Should be
Boulder	1960	Spring	08-12	.160	64	84				
Cook	1960	Fall	08-12	.160	72	75				
Enkoping	1960	Spring	08-12	.246	65	Blank				
Enkoping	1960	Spring	12-16	.246	Blank	65				
Front Royal	1960	Spring	00-04	5.0	70	62				
Front Royal	1960	Spring	20-24	5.0	57	62				
Kekaha	1960	Spring	12-16	10.0	22	19				
Kekaha	1960	Spring	16-20	2.5	37	34				
Ohira	1960	Spring	08-12	.545	61	66				
Pretoria	1960	Fall	20-24	5.0	58	49				
Rabat	1960	Spring	16-20	2.5	42	48				
Rabat	1960	Spring	20-24	5.0	46	56				
Sao Jose	1960	Fall	04-08	.246	82	84				
Singapore	1960	Spring	08-12	.013	149	162				
Singapore	1960	Spring	16-20	.545	96	98				

TECHNICAL NOTE 18-7

Bill	1960	Summer	16-20	10.0	41	46				
Boulder	1960	Summer	08-12	20.0	27	24				
Boulder	1960	Summer	12-16	.160	122	120				
Enkoping	1960	Summer	08-12	2.5	35	32				
Front Royal	1960	Summer	04-08	.135	112	106				
Front Royal	1960	Summer	04-08	2.5	62	52				
Sao Jose	1960	Winter	00-04	.113	113	110				

TECHNICAL NOTE 18-8

Station	Year	Season	Time	Freq. Mc/s	F_{am} Published	F_{am} Should be	V_d Published	V_d Should be	L_d Published	L_d Should be
Cook	1960	Spring	08-12	2.5			8.0	3.5		
Cook	1960	Spring	12-16	.013	158	155				
Enkoping	1960	Fall	08-12	2.5	22	31				
Kekaha	1960	Fall	12-16	.495	56	52				
New Delhi	1960	Summer	16-20	2.5	54	58				
Singapore	1960	Fall	00-04	.545	90	95				
Singapore	1960	Fall	08-12	5.0	39	34				

TECHNICAL NOTE 18-9

Balboa	1960-61	Winter	00-04	.051	120	130				
Balboa	1960-61	Winter	04-08	2.5	60	56				
Cook	1960-61	Summer	16-20	10.0	41	46				
Enkoping	1960-61	Winter	16-20	.013	150	147				
Ibadan	1959	Summer	16-20	.545	84	90				
Ibadan	1959	Summer	20-24	.113	118	127				
New Delhi	1960	Fall	12-16	.545			8.0	4.0		
Ohira	1960-61	Winter	04-08	2.5	38	48				
Pretoria	1960	Spring	12-16	2.5	43	40				
Pretoria	1960	Spring	16-20	10.0	50	44				
Balboa	1960-61	Winter - Frequency .031 should be .013.								

TECHNICAL NOTE 18-10

Front Royal	1961	Spring	00-04	5.0	66	63				
Front Royal	1961	Spring	04-08	.135	90	99				
Front Royal	1961	Spring	08-12	.500	70	60				
Front Royal	1961	Spring	20-24	5.0	67	65				
Kekaha	1961	Spring	04-08	.160	98	92				
Pretoria	1960-61	Summer	04-08	.246	79	81				
Pretoria	1960-61	Summer	04-08	5.0	40	44				
Pretoria	1960-61	Summer	16-20	10.0	41	44				

18-10 (continued)

Station	Year	Season	Time	Freq. Mc/s	F_{am} Published	F_{am} Should be	V_d Published	V_d Should be	L_d Published	L_d Should be
Pretoria	1961	Fall	08-12	5.0	28	30				
Rabat	1961	Spring	00-04	.051	136	128				
Ohira	1961	Spring - Frequency .495 should be .545.								

TECHNICAL NOTE 18-11

Boulder	1961	Summer	00-04	20.0	19	23				
Cook	1961	Winter	16-20	.013	143	151				
Front Royal	1961	Summer	12-16	5.0	43	40				
Ohira	1961	Summer	20-24	.545	75	87				
Pretoria	1961	Winter	08-12	20.0	28	22				
Sao Jose	1960-61	Summer	00-04	2.5	57	62				
Sao Jose	1960-61	Summer	00-04	5.0	70	60				
Sao Jose	1960-61	Summer	04-08	.545	72	78				
Sao Jose	1960-61	Summer	16-20	20.0	53	35				
Singapore	1961	Summer	12-16	5.0	79	39				

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Month January 1958

Frequency (Mc)

Hour (LST)	.051 F_{am}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.113 F_{am}	.113 D_u	.113 D_ℓ	.113 V_{dm}	.113 L_{dm}	.246 F_{am}	.246 D_u	.246 D_ℓ	.246 V_{dm}	.246 L_{dm}	.545 F_{am}	.545 D_u	.545 D_ℓ	.545 V_{dm}	.545 L_{dm}
00	*130					*114					*104					*92				
01	*130					*114					*106					*91				
02	*132					*116					*104					*92				
03	*128					*112					*100					*90				
04	*131					*116					*103					*88				
05	*130					*109					*99					*88				
06	*130					*103					*84					*66				
07	*122					*104					*92					*69				
08	*111					*96					*80					*62				
09	*120					*92					*80					*56				
10	*113					*92					*78					*54				
11	*120					*92					*73					*55				
12	*120					*95					*76					*56				
13	*123					*110					*78					*60				
14	*126					*100					*88					*66				
15	*128					*98					*86					*64				
16	126	5	12			106	8	13			90	12	9			*72				
17	*118					*104					*81					*69				
18	128	3	9			103	2	9			100	5	10			88	4	8		
19	*124					*110					*96					*87				
20	128	2	8			114	4	8			104	2	10			*90				
21	*128					*114					*92					*92				
22	128	6	7			*114					*104					*92				
23	*130					*114					*93					*92				

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}	5 L_{dm}	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{am}*	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	*60					*54					*42					32				
01	*58					*54					*38					30				
02	*62					*54					*40					30				
03	*61					*55					*36					30				
04	*59					*52					*36					30				
05	*62					*56					*36					30				
06	*52					*44					*36					30				
07	*58					*40					*34					32				
08	*61					*36					*27					30				
09	*56					*28					*20					30				
10	*56					*28					*20					30				
11	*56					*20					*16					30				
12	*61					*26					*16					30				
13	*58					*22					*18					32				
14	*58					*26					*16					31				
15	*57					*30					*26					32				
16	*59					*40					*26					32				
17	58	5	3			46	6	8			39	5	5			33				
18	*64					*54					*40					32				
19	66	5	3			56	4	5			40	7	4			32				
20	*67					*58					*44					32				
21	65	5	3			56	4	6			*39					32				
22	*66					*54					*41					30				
23	*60					*54					*40					31				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18.

USCOMM-NBS-BL

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month March 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160										2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	162	3	3	10.0	15.5	139	6	4	6.0	11.0	117	7	3	9.0	16.0						65	8	8	7.0	13.0	60	6	2	4.0	8.0	48	4	4	*7.0	+11.0	29	4	5	3.0	5.5
01	162	3	5	*9.0	*14.0	139	6	4	11.0	17.0	118	10	4	8.0	13.5						67	4	6	6.5	13.0	60	6	2	6.0	10.5	48	2	3	5.0	10.0	26	4	1	2.0	3.5
02	162	5	3	11.0	16.0	139	10	4	8.0	14.5	118	12	6	6.0	11.5						67	6	4	6.5	13.5	62	4	5	5.5	9.0	46	4	4	5.5	8.5	25	4	1	1.0	3.0
03	163	6	4	9.5	15.0	141	6	8	11.0	17.5	118	10	6	6.5	12.0						69	5	6	6.0	12.0	60	4	4	5.5	10.0	44	6	5	6.0	9.0	25	2	2	1.0	2.5
04	163	6	4	*9.0	*14.0	139	10	2	*6.0	+12.0	116	12	4	*5.0	+9.0						69	4	5	*6.0	+13.5	60	4	4	6.0	10.0	44	8	6	5.0	8.0	25	2	2	1.0	2.5
05	163	6	2	*9.5	*14.5	139	8	2	*8.5	*15.5	*116			*9.5	+17.5						69	3	4	7.0	15.0	60	4	4	5.5	10.0	42	4	6	5.0	9.0	25	2	2	1.0	2.5
06	163	6	0	*9.0	*14.0	133	10	4	*8.0	*15.5	110	16	18	*13.5	*23.0						62	9	5	9.0	15.5	57	4	4	*5.0	*9.0	44	4	4	4.0	8.0	27	4	2	2.0	3.5
07	161			10.5	15.0	*131			10.5	17.5	+111			+11.5	+22.5						47	13	12	+10.0	+16.0	46	8	6	*8.0	*12.5	40	6	4	5.0	9.0	28	3	3	3.0	4.5
08	161	8	4	*9.5	*14.5	*130			+12.0	+20.0	+106			+10.0	*19.5						39	15	12	*6.0	*9.0	37	11	11	*8.0	+12.0	34	6	4	6.5	11.0	27	4	2	3.0	5.0
09	161			+10.0	*15.0	+128			+11.5	*19.0	+104			+10.0	+19.0						33	17	10	7.0	11.0	30	10	10	*3.0	*6.0	30	6	10	*9.0	+13.0	25	6	2	3.0	5.0
10	161			9.5	15.5	*131			10.0	17.5	+102			*8.0	+15.5						31	16	6	+5.0	*8.0	26	10	4	*6.0	*9.0	26	8	8	*8.5	+13.0	27	4	4	4.0	7.0
11	160	7	3	*11.0	*16.0	131	10	8	10.0	18.0	103	13	11	11.0	19.5						29	17	4	+6.5	*10.0	24	8	4	*8.0	+11.0	24	7	8	5.0	9.0	25	4	3	3.0	5.0
12	162	5	3	9.0	15.0	133	8	6	10.0	18.0	104	12	14	*8.0	+15.0						27	10	4	3.5	5.0	22	8	2	+2.5	+4.0	24	8	8	6.0	9.0	27	4	4	3.5	6.0
13	163	6	2	9.0	15.0	137	6	8	*8.0	+13.5	106	22	12	8.0	14.0						29	18	4	+5.0	*8.0	24	12	4	*8.0	+10.0	27	9	7	6.0	10.0	27	4	2	4.0	6.5
14	165	6	4	8.0	13.0	137	9	6	*8.0	+14.0	107	23	7	8.0	13.0						31	26	6	+6.5	*11.0	27	16	5	+5.5	*8.0	32	8	8	+5.5	*9.0	29	4	2	3.0	5.0
15	165	6	2	7.5	12.0	137	8	4	7.5	12.0	107	21	7	10.0	16.5						30	27	5	6.5	10.0	33	13	7	5.5	9.5	35	6	5	6.5	11.0	31	3	5	3.5	5.5
16	165	2	2	7.5	12.0	137	8	4	8.5	14.0	110	14	12	*9.5	+16.5						35	15	7	+5.5	*9.5	38	8	8	5.5	9.0	40	6	8	5.0	8.5	31	4	3	3.0	5.5
17	165	4	4	9.0	13.0	133	11	4	*8.0	13.5	108	14	12	14.5	23.0						42	10	5	4.5	8.0	47	5	4	5.0	9.0	46	4	4	4.5	7.0	31	4	2	3.0	5.0
18	161	6	2	9.5	14.5	133	9	4	*8.0	14.0	112	8	8	7.0	14.0						53	8	4	5.5	10.0	56	4	2	6.0	10.0	48	4	2	5.0	8.5	31	4	2	3.0	5.0
19	163	4	4	9.0	14.0	139	6	8	9.0	13.5	118	4	6	7.0	13.0						63	6	5	5.5	10.0	60	4	2	+6.0	*10.0	48	5	3	5.0	8.5	31	3	4	3.0	5.0
20	161	4	2	9.0	13.5	137	6	2	7.0	12.0	118	6	6	6.5	10.0						63	6	5	5.5	10.5	60	4	3	4.5	7.5	48	5	4	5.5	10.0	31	4	4	3.5	5.5
21	161	4	4	8.0	13.5	139	6	4	7.0	12.0	118	7	4	5.0	10.0						63	6	6	5.5	11.0	62	5	6	+4.0	+7.0	46	4	2	*5.0	8.5	27	5	2	3.5	5.0
22	163	4	4	8.5	13.5	137	8	2	7.0	13.0	118	8	4	6.0	11.0						63	6	5	6.5	11.5	60	6	4	*6.0	*10.0	48	6	4	6.0	9.0	27	6	2	3.0	5.0
23	161	4	2	10.0	14.0	137	8	2	7.0	12.5	118	8	6	5.0	11.0						63	8	4	7.0	13.0	60	5	4	4.0	7.5	46	6	1	5.0	9.0	29	2	4	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-6.

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month April 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	162	7	4	11.0	18.5	143	5	7	8.0	14.0	123	7	8	7.0	12.0	100	9	6	7.5	14.5	67	5	6	6.0	13.0	62	2	9	4.0	8.0	48	4	2	5.0	9.0	27	6	3	3.0	4.5
01	163	7	6	10.5	18.0	143	9	6	9.5	16.5	123	11	7	7.0	14.0	98	14	6	7.0	11.5	67	8	6	5.0	10.5	62	4	8	5.0	10.0	48	4	3	4.5	8.0	25	8	2	2.0	4.0
02	164	10	5	10.5	17.5	144	10	9	8.5	15.0	121	13	6	7.5	13.5	100	12	7	7.5	14.0	67	10	7	5.0	10.5	62	5	8	5.5	11.0	46	6	4	5.0	9.0	27	9	4	2.0	4.0
03	164	9	5	11.5	18.5	144	9	7	11.0	19.0	123	12	7	7.0	17.5	100	10	7	8.0	15.5	69	9	7	6.0	14.0	62	5	6	5.5	11.0	46	6	4	4.0	7.5	25	9	2	2.0	3.5
04	165	9	6	12.0	20.0	144	10	6	8.5	15.0	124	8	9	9.0	17.5	102	6	12	9.0	17.5	71	7	8	6.5	13.0	62	5	8	4.5	9.0	46	3	4	6.0	10.0	25	8	2	2.0	3.5
05	165	9	6	12.0	19.0	144	9	7	11.0	20.5	123	9	14	10.0	19.0	100	8	14	11.5	22.5	71	7	8	6.0	13.0	62	4	9	6.0	11.0	44	4	3	5.0	9.0	25	6	2	2.0	3.0
06	164	9	5	11.0	18.0	140	11	10	11.0	20.0	121	9	19	13.5	26.0	100	7	21	13.5	26.5	63	9	15	8.5	17.0	56	7	10	6.0	11.0	44	4	4	5.0	9.0	27	2	4	2.0	4.0
07	163	9	4	11.0	18.0	138	12	8	10.5	20.0	121	8	18	14.0	23.5	102	6	20	12.0	24.5	53	11	13	11.5	19.0	48	11	13	8.0	15.5	41	6	5	6.0	10.5	25	4	2	3.0	5.0
08	163	8	4	12.0	18.5	140	10	13	14.0	24.5	119	10	19	13.5	23.5	94	7	23	14.0	25.0	50	14	17	9.0	17.5	44	10	18	8.0	16.0	38	6	6	7.5	13.0	25	5	2	2.5	5.0
09	163	8	4	12.0	20.0	138	8	10	11.5	20.0	117	10	17	11.0	19.5	98	8	26	11.0	23.0	51	8	26	8.0	16.5	38	8	12	9.0	15.5	34	6	6	8.0	13.0	23	4	2	3.5	6.0
10	162	9	4	11.0	17.0	138	9	10	14.5	23.5	115	12	18	13.0	24.0	92	14	24	12.0	25.5	47	10	22	9.5	20.0	32	14	14	5.0	12.5	31	7	10	6.0	10.0	23	5	3	3.0	5.0
11	163	6	6	11.0	17.0	136	10	6	12.0	19.0	115	12	16	13.0	24.0	92	17	23	11.0	21.5	39	20	14	4.5	5.0	30	18	10	5.0	8.0	30	8	10	6.0	12.0	23	8	2	3.5	6.0
12	165	6	6	14.0	21.5	140	12	8	11.5	20.5	116	18	15	14.0	25.0	94	20	16	13.5	24.0	36	29	11	6.5	10.0	31	31	11	11.0	16.0	30	18	8	6.5	10.5	25	10	4	3.5	5.5
13	165	9	4	10.0	17.5	140	14	6	11.5	19.0	119	16	15	13.0	22.5	94	25	17	11.0	21.5	41	34	15	7.0	11.0	34	32	12	5.5	10.0	34	18	8	7.0	12.0	27	13	4	3.0	5.5
14	167	8	4	9.0	16.0	142	14	6	10.5	17.0	119	18	14	12.0	20.0	95	21	17	12.0	19.0	47	38	18			41	25	17	7.5	13.0	37	13	7	6.5	12.0	29	10	4	3.0	5.0
15	167	9	4	10.5	17.0	142	14	6	9.5	16.0	119	18	13	11.0	19.0	96	18	12	10.0	18.0	43	30	16	10.0	14.0	36	33	8	6.0	10.0	40	13	6	5.5	10.0	29	6	2	2.5	5.0
16	167	6	2	9.0	14.0	142	10	6	9.5	15.0	118	15	9	11.0	19.0	96	18	14	10.0	20.5	47	28	12	7.5	13.0	43	18	9	7.0	12.0	42	7	4	5.5	9.5	29	6	3	3.0	5.0
17	165	10	2	9.5	15.0	141	13	7	9.5	17.5	117	16	8	10.5	18.0	96	15	14	10.5	18.5	44	22	14	6.5	11.5	48	15	5	5.0	9.0	44	7	2	3.5	7.0	29	7	2	3.5	6.0
18	165	4	4	9.0	15.0	140	6	6	11.0	19.0	117	10	8	9.0	16.0	96	8	8	7.0	13.0	53	14	4	4.5	10.0	56	8	2	4.5	8.5	48	2	4	4.5	8.5	29	3	5	3.0	5.5
19	164	6	4	9.0	15.0	140	9	4	8.5	14.5	121	8	7	7.5	13.5	98	8	8	7.5	13.0	63	8	4	6.5	14.0	60	6	4	4.0	7.0	48	2	5	4.5	8.0	29	3	6	3.0	5.5
20	164	7	6	9.0	14.0	142	7	5	8.0	13.5	121	9	5	6.0	11.5	98	7	6	6.0	12.5	65	8	4	5.0	10.5	60	6	2	4.0	7.5	48	3	4	4.0	8.0	27	6	2	3.0	5.5
21	163	7	4	9.0	15.5	142	7	4	6.5	11.5	121	7	4	6.5	11.0	100	8	6	6.0	12.5	67	7	4	5.0	11.5	62	4	5	4.0	8.0	50	0	4	3.5	8.0	27	5	4	3.0	5.5
22	163	8	5	8.5	14.5	142	10	4	7.0	13.0	121	10	4	5.5	10.0	98	10	4	6.5	12.0	67	6	4	4.5	9.5	62	3	4	5.0	11.0	50	2	4	4.5	8.0	27	6	4	3.0	5.5
23	163	7	6	9.0	16.0	142	8	7	8.0	13.5	123	8	7	6.0	11.0	100	6	6	7.0	13.5	67	5	5	5.0	11.0	62	3	8	5.0	10.0	48	4	4	4.0	7.5	27	5	4	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-6.

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month May 1960

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	168	6	4	10.0	19.0	148	8	4	10.0	17.0	129	4	6	6.0	14.0	103	8	4	6.5	14.0	72	4	4	6.0	11.0	63	2	2	4.0	8.0	51	4	2	4.5	8.5	30	5	4	4.5	11.5
01	169	5	3	10.0	18.0	148	6	2	8.5	15.0	129	6	6	7.0	13.5	123	8	4	6.5	14.5	72	5	3	5.5	9.5	63	4	3	4.0	9.0	51	4	3	4.0	9.0	31	4	3	5.0	11.0
02	170	6	4	11.0	19.0	148	8	2	9.0	17.0	129	5	6	5.0	8.5	134	9	5	7.0	17.0	72	4	5	6.0	11.5	64	3	3	3.0	6.0	51	3	12	4.5	10.0	23	6	4	4.5	9.5
03	170	6	4	11.0	18.0	150	6	6	9.5	17.5	127	8	4	6.5	12.0	135	6	6	6.5	13.0	74	2	6	5.5	10.5	65	2	4	5.0	9.0	51	2	4	5.0	11.5	24	5	3	4.0	11.0
04	170	6	4	11.0	19.5	149	7	5	9.0	14.5	127	8	4	7.0	13.0	132	10	5	9.5	17.5	72	4	4	5.5	10.0	63	4	2	5.0	11.0	51	5	6	4.5	11.0	28	5	4	5.0	11.0
05	168	8	2	10.0	18.0	146	10	2	8.0	16.0	123	10	4	11.0	21.0	99	10	6	15.0	28.0	72	4	4	6.0	11.0	63	2	4	4.5	8.5	47	4	4	5.5	11.0	26	6	2	4.5	7.5
06	168	6	4	11.5	18.5	144	10	4	14.0	24.0	123	8	6	17.0	29.0	99	10	9	16.0	29.5	64	6	6	9.5	17.5	57	6	4	7.5	13.0	45	4	2	5.5	11.5	22	3	3	3.0	8.5
07	168	4	6	12.0	18.0	144	8	8	17.0	26.0	123	11	8			99	10	15	17.0	26.5	58	12	10	11.5	18.0	51	6	6	9.5	17.5	41	2	2	7.0	14.0	23	4	4	5.5	6.0
08	168	6	6	13.0	20.0	144	8	10	17.0	25.5	125	9	12	18.5	30.0	131	8	20			55	13	17	12.5	23.0	47	12	10	11.0	18.5	37	8	4	6.5	12.0	25	4	4	3.5	5.5
09	167	5	7	13.0	20.0	144	8	10	13.0	22.0	121	12	10	19.0	>30.0	99	10	22	>16.0	>24.0	53	14	21	13.0	22.0	43	16	14	13.0	20.5	35	15	6	7.0	17.0	26	6	4	3.5	6.0
10	166	8	6	13.0	20.0	142	10	8	15.0	24.0	120	14	12	19.0	>30.0	97	12	20	>20.0	>30.0	44	24	13	11.0	19.5	38	19	11	10.0	20.0	35	14	7	11.0	18.5	25	1	3	3.0	7.0
11	166	8	5	13.5	21.5	142	15	9	13.0	24.5	125	12	19	>18.5	>29.5	122	17	20	17.0	>30.0	50	20	20	13.5	25.0	40	23	15	12.5	22.0	37	18	10	8.0	15.0	16	15	14	7.0	12.0
12	170	6	10	13.5	21.5	148	8	10	15.0	25.5	129	8	20	16.5	29.5	134	11	20	14.0	29.0	58	17	28	13.0	25.5	45	24	17	14.0	24.0	37	15	8	7.0	14.0	16	15	6	10.0	13.0
13	170	8	4	12.0	21.0	150	8	10	15.0	25.0	131	10	12	14.0	28.0	107	13	14	15.0	>21.0	68	16	30	11.0	23.5	55	14	22	13.5	21.0	43	14	7	12.0	20.0	21	13	2	6.0	10.0
14	172	6	4	12.5	23.0	150	8	8	15.5	25.0	131	10	14	11.5	23.0	107	10	18	13.5	25.0	65	17	25	>20.0	>30.0	55	17	18	13.5	18.0	45	13	8	10.0	11.0	12	1	7	6.0	9.0
15	172	6	4	8.0	14.0	148	9	7	11.0	20.0	129	8	12	14.0	24.5	135	12	18	19.0	>20.0	64	16	20	11.5	23.0	55	18	16	10.0	18.5	45	9	6	8.0	14.0	32	3	2	4.0	6.0
16	170	6	2	10.0	18.0	148	8	8	10.5	19.0	129	5	15	11.5	22.0	103	8	17	14.0	>23.0	62	18	18	10.5	19.5	53	11	9	7.0	15.0	41	5	6	5.5	11.0	22	2	1	3.0	6.0
17	170	4	4	10.5	18.0	144	8	4	12.0	21.0	125	6	12	14.0	20.5	97	10	12	14.0	25.5	60	11	11	9.5	18.0	55	8	4	7.0	12.0	47	4	4	4.0	8.0	32	2	2	3.0	6.0
18	168	4	4	11.5	18.5	144	6	8	13.0	22.0	123	8	10	12.0	19.0	97	9	8	9.0	18.5	64	4	8	7.5	13.5	61	3	4	5.0	7.0	51	1	4	3.0	5.0	22	2	4	2.0	5.0
19	168	4	4	11.0	19.0	144	4	4	9.5	18.0	125	6	6	7.0	14.0	99	8	6	6.5	14.0	70	2	6	6.0	12.0	63	3	4	4.0	8.0	51	2	2	3.0	6.0	10	4	3	4.0	8.0
20	170	2	6	10.5	18.0	144	6	4	8.0	16.0	125	4	6	7.0	14.5	131	4	8	8.5	14.0	70	4	4	5.0	9.5	63	4	2	4.0	7.0	54	4	2	3.5	7.0	6	4	4	4.0	7.0
21	168	4	4	11.0	19.0	147	3	5	10.5	19.0	127	2	6	5.0	11.0	132	5	9	6.0	13.0	70	4	4	5.0	9.0	62	2	5	5.5	9.0	51	4	3	4.0	8.0	22	4	4	4.0	7.0
22	170	2	6	12.0	20.0	146	6	2	10.0	18.5	127	4	6	11.0	18.5	103	4	6	6.0	14.0	70	4	3	5.0	9.0	63	4	4	4.0	7.0	53	2	5	3.5	7.0	22	5	4	4.0	6.0
23	170	4	6	12.5	20.5	148	4	6	9.5	18.5	127	6	6	3.0	7.0	103	8	6	6.0	11.0	70	5	2	5.0	9.0	63	4	3	4.0	7.0	51	4	2	5.0	10.0	24	4	1	4.0	7.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-6.

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month June 19 60

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	172	3	5	12.0	19.0	150	3	7	11.0	17.5	129	5	8	10.0	15.5	106	7	5	8.5	13.5	73	2	4	5.5	8.5	61	2	4	4.0	6.0	51	2	4	4.0	6.5	32	2	5	4.0	6.0
01	172	4	6	12.5	19.5	150	5	6	11.0	17.0	129	7	7	9.0	14.0	106	8	6	7.5	14.5	73	4	5	5.0	9.0	64	2	4	4.0	7.0	51	2	2	4.0	6.0	30	2	3	3.5	5.0
02	172	5	4	11.0	19.0	150	5	6	10.0	17.0	129	6	6	8.5	14.5	104	10	4	7.5	13.5	73	4	3	5.5	10.0	66	2	6	4.5	7.0	51	2	4	5.0	7.5	28	5	4	3.5	5.0
03	172	4	3	12.0	20.0	150	5	5	12.0	17.0	129	8	7	9.0	16.0	104	11	6	*9.0	*17.5	75	3	6	6.0	10.5	64	4	4	5.0	8.0	49	3	3	*6.0	*10.0	28	5	4	*2.5	*3.0
04	172	6	4	13.0	20.0	150	8	7	11.5	17.5	129	8	7	9.5	16.5	104	10	6	8.0	15.5	75	2	5	6.0	10.5	64	3	4	*5.5	*10.0	49	2	6	*6.0	*11.0	26	9	2	*2.0	*3.0
05	172	6	4	14.0	22.0	150	6	9	14.0	21.5	129	6	11	9.5	18.0	100	16	15	*13.0	*25.0	73	5	4	7.0	13.5	61	2	4	5.5	9.5	47	3	5	*5.0	*8.0	26	9	2	4.0	5.5
06	170	6	4	13.5	22.0	148	8	10	16.0	24.0	127	8	14	14.0	24.5	100	13	12	14.5	26.0	65	7	9	*10.0	*19.0	58	5	4	7.5	13.0	43	6	2	5.0	8.0	26	5	2	3.0	5.0
07	170	6	4	15.0	22.5	146	9	7	16.0	24.0	127	6	11	13.0	24.0	100	10	16	13.5	22.5	61	8	10	11.0	19.5	54	6	7	*9.5	*18.0	41	4	4	7.5	11.0	26	4	2	3.0	5.0
08	170	4	4	15.5	23.5	148	6	8	14.0	23.0	127	6	10	15.0	26.0	100	10	15	14.0	24.0	55	8	10	*11.0	*19.5	46	10	7	*8.0	*15.0	35	6	4	*8.0	*11.5	26	2	3	*3.0	*5.0
09	170	4	4	15.0	22.5	147	6	7	15.0	24.0	127	6	8	*16.0	*27.0	96	16	6	*11.5	*23.5	51	11	11	*6.0	*12.0	44	9	10	*9.0	*17.5	35	12	6	*8.5	*14.0	26	8	3	3.5	6.5
10	170	4	4	15.0	23.0	146	4	8	16.0	25.0	127	6	16	14.5	26.5	94	18	16	*14.0	*26.5	47	16	10	*8.0	*17.0	42	6	12	*8.0	*16.5	37	4	8	*9.0	*15.0	26	9	4	*3.0	*4.5
11	170	4	4	14.0	22.5	146	6	8	15.0	24.0	125	10	14	*15.0	*26.0	97	17	18	*14.0	*26.0	49	22	18	*10.5	*17.5	39	16	15	*10.0	*17.0	36	13	7	*8.5	*17.0	26	10	4	*4.0	*6.0
12	170	6	2	14.0	21.0	145	12	5	14.0	21.5	127	12	12	11.5	23.0	99	19	15	*13.0	*23.0	51	27	19	*13.5	*22.5	44	24	19	*11.5	*18.5	37	16	6	*11.0	*17.0	28	14	4	*4.5	*6.0
13	172	8	4	13.0	19.5	148	10	10	13.0	21.0	125	14	8	15.0	24.0	103	17	19	*14.0	*27.0	55	28	19	*16.0	*24.5	44	26	16	*12.0	*20.5	39	14	8	*10.0	*15.5	30	10	4	*4.5	*6.5
14	172	10	4	11.0	17.5	148	14	8	10.5	17.0	127	12	12	15.0	23.5	102	20	16	*13.0	*24.0	53	30	14	*12.5	*17.5	49	15	15	*15.0	*26.5	42	13	7	*9.0	*16.0	31	15	3	*6.0	*9.0
15	174	4	4	10.5	16.5	148	12	7	12.0	17.5	126	16	12	14.0	23.5	101	18	20	15.5	*26.0	61	26	18	*15.0	*24.0	51	23	13	*13.5	*21.0	43	14	6	*7.5	*11.0	32	11	4	*3.5	*5.5
16	172	6	2	10.0	15.0	148	10	8	12.5	18.5	127	10	10	14.0	24.0	100	14	10	*12.0	*22.5	63	20	24	*13.0	*21.5	56	15	11	*8.5	*14.0	47	6	5	6.5	10.5	32	8	2	*5.0	*7.0
17	172	2	4	9.0	14.0	145	7	5	12.0	18.0	122	9	6	14.0	23.5	96	12	10	*15.0	*25.0	59	13	8	*11.0	*18.0	56	3	4	*7.0	*11.0	47	2	2	4.0	7.0	32	3	4	4.0	6.0
18	170	3	3	9.5	14.0	145	6	5	11.5	18.0	123	7	6	12.0	20.0	97	9	6	9.0	16.0	65	5	5	*6.0	*10.5	60	3	2	*5.0	*8.5	49	2	2	4.0	5.5	30	4	3	*4.0	*5.5
19	170	2	4	11.0	16.0	144	6	4	11.5	18.0	123	4	4	8.5	14.0	98	6	4	7.0	11.5	71	4	4	7.0	11.0	64	4	2	4.5	7.0	51	0	3	4.0	7.0	30	3	4	3.0	4.5
20	170	2	4	10.0	16.0	146	4	5	9.5	15.0	125	4	5	8.5	14.0	102	4	4	7.5	14.0	71	5	2	5.5	10.0	64	2	4	4.0	7.0	51	2	2	3.5	5.5	30	6	3	3.0	5.0
21	170	3	4	10.5	19.0	146	6	6	9.5	14.5	125	4	6	7.0	12.0	103	5	5	7.5	13.0	71	5	3	5.5	9.5	64	4	2	3.5	6.0	51	2	3	4.5	7.0	30	3	4	3.5	5.5
22	170	4	3	11.0	18.0	148	4	4	9.0	14.0	127	4	7	8.0	13.5	102	6	2	8.0	14.0	71	4	2	5.5	9.0	64	0	3	4.0	7.0	51	2	2	4.0	6.5	30	2	3	3.0	5.0
23	170	5	3	11.5	18.0	148	7	3	11.0	16.5	127	8	5	9.0	15.0	104	8	3	7.0	13.5	72	3	4	4.5	8.0	64	2	4	4.0	6.0	51	2	3	4.0	6.0	30	4	4	3.5	5.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-7.

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month July 1960

Frequency (Mc): .013, .051, .160, .495

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	172	5	4	12.0	18.0	150	6	4	11.0	18.0	129	5	4	9.0	14.5	106	6	6	8.5	15.5
01	173	3	4	12.5	19.0	150	4	2	11.0	17.0	129	6	5	9.5	16.0	106	7	6	9.0	16.0
02	173	4	4	13.0	20.0	152	6	4	12.0	18.0	131	5	6	9.0	15.0	106	7	6	9.0	17.0
03	173	3	4	13.0	20.0	152	4	4	12.5	19.0	129	6	5	10.0	17.0	104	9	5	10.0	18.5
04	173	5	2	13.5	21.0	152	6	6	12.0	19.0	131	5	8	10.0	17.0	106	6	9	10.0	17.0
05	175	4	6	14.0	22.0	154	4	8	*13.5	*21.5	133	4	10	12.5	21.5	106	7	13	12.5	23.0
06	175	3	6	15.0	23.0	152	5	8	15.0	23.0	131	6	12	14.5	25.0	104	8	12	*12.0	*25.0
07	171	6	4	15.5	23.5	150	8	8	16.0	25.0	129	8	10	14.0	25.0	105	9	15	14.0	25.5
08	173	5	7	16.0	24.0	149	8	9	14.5	24.0	129	8	12	14.0	25.0	100	14	14	13.5	25.5
09	173	8	4	15.0	24.0	150	10	12	16.0	24.5	127	10	12	14.0	27.0	102	12	16	*12.0	*24.5
10	173	6	4	16.5	25.5	146	10	6	17.0	27.0	127	10	14	17.0	29.0	100	12	19	*15.0	*27.5
11	169	7	4	16.0	24.0	146	10	10	16.0	25.0	127	8	16	*14.0	*25.0	98	14	20	14.0	27.0
12	169	7	2	15.0	23.0	146	8	8	14.5	23.0	127	8	13	14.0	24.5	100	14	20	15.0	25.5
13	171	7	4	11.5	17.5	146	16	4	13.0	20.0	125	14	6	14.0	24.0	106	12	15	*13.5	*23.5
14	173	9	4	11.0	17.5	152	11	8	13.0	20.0	131	14	8	13.0	24.0	110	15	12	*11.5	*24.0
15	173	10	4	11.0	17.0	151	11	7	13.0	18.0	129	12	8	12.5	21.5	109	11	11	12.0	22.0
16	175	4	4	10.0	15.0	150	8	5	11.5	16.5	129	10	8	13.5	22.5	105	12	13	11.5	22.0
17	173	6	3	9.0	15.0	146	14	5	11.0	17.0	126	12	11	13.5	23.0	100	16	10	*13.0	*21.0
18	171	5	4	9.0	14.5	146	9	6	12.0	17.5	125	12	8	11.5	19.0	96	17	6	10.5	18.0
19	171	4	5	9.5	14.0	146	8	5	10.5	16.0	125	8	7	8.0	13.0	100	11	9	8.0	13.5
20	171	4	4	10.0	14.5	148	6	4	10.0	16.0	125	7	4	7.5	12.5	102	6	5	8.0	15.0
21	171	4	4	10.5	15.5	148	4	4	10.0	15.0	127	4	6	8.0	12.5	104	7	6	8.0	14.5
22	171	4	4	10.0	15.0	148	6	4	10.0	15.0	127	7	4	8.5	14.0	104	5	6	9.0	16.0
23	171	3	4	10.0	16.0	150	4	4	10.0	16.0	129	4	6	8.0	13.5	104	7	4	8.5	15.0

Frequency (Mc): 2.5, 5, 10, 20

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	71	4	2	5.5	10.0	64	2	4	5.0	8.5	52	0	4	4.0	7.0	32	4	6	3.0	5.0
01	71	4	2	6.0	11.0	64	2	4	5.0	8.0	50	2	4	5.0	8.5	30	4	6	3.5	5.5
02	73	2	4	6.0	11.0	64	2	2	5.0	9.0	50	2	4	4.5	7.0	28	7	2	2.0	4.0
03	73	4	4	6.0	10.5	64	4	2	5.0	9.5	50	2	4	5.5	9.0	28	6	4	5.0	7.0
04	73	4	4	5.5	10.5	64	2	2	5.0	9.0	48	4	2	5.0	8.0	28	6	4	4.0	5.5
05	73	4	4	6.5	11.0	62	4	2	5.0	9.0	48	4	6	4.5	7.5	28	8	4	3.0	4.5
06	67	6	8	9.5	17.0	58	4	4	*7.0	*13.5	46	4	2	6.0	9.5	28	6	4	3.5	5.5
07	61	8	8	10.5	19.5	54	4	6	10.0	18.0	42	4	4	6.5	10.5	28	6	4	3.0	5.0
08	59	11	12	11.5	18.5	50	9	6	9.5	18.0	38	10	3	9.0	14.5	28	8	4	4.0	5.0
09	54	16	15	*9.0	*16.5	48	16	12	11.5	19.0	34	16	2	10.0	16.0	26	14	2	3.5	5.5
10	53	22	14	*7.5	*11.0	43	17	9	*13.0	*19.0	34	14	2	*10.0	*16.5	28	9	4	*5.0	*7.0
11	54	16	17	*6.0	*9.5	42	18	12	*12.5	*22.0	38	8	8	*10.0	*17.0	28	8	4	4.0	6.0
12	53	19	14	*4.0	*10.5	40	22	8	*13.5	*21.5	38	14	4	*11.0	*16.5	28	10	2	*4.0	*6.0
13	53	20	16	*8.0	*16.0	43	27	11	*13.5	*24.0	40	16	6	*10.0	*16.0	32	12	4	4.0	6.5
14	60	25	13	13.0	21.0	54	22	11	*11.0	*20.0	46	17	10	*9.5	*14.0	36	15	8	6.0	9.0
15	61	23	15	*12.5	*22.5	54	20	8	*10.0	*17.0	44	14	6	7.0	11.5	32	13	2	5.0	8.0
16	61	18	10	*11.0	*22.0	53	12	7	*8.0	*12.5	46	17	4	5.0	8.5	32	11	2	3.0	5.0
17	59	20	8	*9.5	*16.0	56	11	4	7.0	12.0	48	6	2	5.0	7.5	32	8	3	4.0	6.5
18	65	16	6	7.5	12.0	60	9	2	*6.0	*9.0	50	5	2	4.0	6.0	32	3	4	3.0	5.5
19	70	5	4	6.0	10.0	64	4	2	*5.0	*8.0	52	3	2	4.0	6.0	32	2	6	3.5	5.0
20	72	3	3	5.5	10.0	66	1	5	5.5	9.5	50	4	2	4.0	7.0	30	3	5	2.5	4.0
21	71	4	4	6.0	10.5	64	6	3	*4.5	*7.5	50	2	0	4.0	7.0	30	2	4	3.5	5.5
22	71	4	4	5.5	9.5	64	3	4	5.0	8.0	50	4	0	4.0	6.5	30	4	4	3.5	5.0
23	71	4	3	5.5	9.0	64	2	4	4.5	8.0	52	2	2	4.0	6.5	30	4	6	3.5	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-7.

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month August 19 60

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	171	8	5	9.5	16.0	150	8	4	10.0	16.0	129	7	7	8.0	12.5	102	13	3	7.5	13.5	68	6	3	6.0	10.0	62	4	2	5.0	8.0	50	4	3	5.0	8.0	30	4	6	3.5	5.0
01	171	4	6	11.0	17.0	150	6	6	10.5	15.0	129	6	8	8.0	14.0	104	9	7	7.0	12.5	68	6	3	6.0	11.0	62	3	1	5.0	8.0	49	3	3	*5.0	*8.0	28	4	4	3.0	4.0
02	171	6	5	12.0	17.5	150	7	7	9.5	15.5	129	9	9	9.0	14.5	104	11	8	8.0	14.5	70	6	4	6.0	11.0	64	2	3	5.0	9.0	48	2	2	5.0	8.0	28	4	4	3.0	4.0
03	173	5	7	12.0	19.0	150	8	8	9.5	16.5	130	7	12	8.0	14.0	104	12	11	8.0	14.5	72	4	6	6.0	11.0	64	2	2	6.0	9.0	48	4	4	6.0	9.0	27	9	3	3.0	4.0
04	173	6	7	13.0	19.0	150	8	10	10.5	17.0	129	8	11	10.0	17.0	102	14	9	9.0	17.0	71	5	6	5.5	10.5	64	2	4	5.5	9.0	47	4	7	*5.5	9.0	26	8	2	1.5	2.5
05	173	5	9	13.5	20.0	150	7	17	11.0	18.0	127	9	13	11.0	19.5	96	19	20	9.0	19.0	72	3	8	6.0	11.0	62	4	4	5.0	9.0	46	4	8	*5.0	*7.0	26	9	2	1.5	3.0
06	170	7	8	13.0	20.0	148	9	16	14.5	21.5	129	6	29	12.5	23.0	98	14	28	*11.0	21.0	64	6	12	8.5	15.5	58	3	6	6.0	11.0	44	4	2	6.5	10.0	28	4	4	4.0	5.5
07	169	8	9	13.5	21.0	148	8	13	14.0	22.0	128	7	31	*13.5	*24.0	99	13	31	11.5	22.5	55	15	21	*9.5	*16.5	52	6	14	10.0	17.0	42	6	4	6.5	10.5	28	6	2	*3.5	*5.5
08	169	8	8	14.0	21.5	147	8	12	14.0	23.0	125	12	28	12.5	22.5	98	14	24	11.0	20.0	47	19	19	*8.5	*14.0	46	12	22	*11.0	*19.0	36	10	6	7.5	12.0	27	5	3	*4.0	*6.0
09	171	6	8	15.5	21.5	146	10	12	14.0	23.5	127	9	31	12.5	22.0	95	16	22	*12.0	*22.0	42	24	12	*7.0	*10.0	40	12	19	*11.5	*18.5	34	7	8	*9.5	*15.5	26	6	2	3.5	6.0
10	169	8	6	14.0	21.0	144	10	11	14.0	22.5	126	9	31	14.5	25.5	94	17	24	*12.0	*23.5	40	26	15	*8.0	*16.0	35	23	13	*12.5	*22.0	30	14	6	10.0	15.5	26	10	2	4.0	6.0
11	169	8	8	14.0	20.0	144	10	8	13.5	21.0	121	12	20	14.0	23.0	91	21	17	*12.0	*21.0	42	24	13	*12.0	*19.0	33	23	13	*12.5	*24.5	32	13	10	10.0	16.5	28	7	6	4.5	6.5
12	169	5	3	13.0	20.0	144	10	10	12.0	20.0	120	17	17	14.0	23.0	90	28	14	*14.5	*26.0	39	29	13	*10.5	*22.0	32	32	12	*10.5	*20.5	34	19	8	*11.5	*15.5	28	12	4	4.5	6.5
13	171	5	4	12.0	18.5	148	10	11	10.5	17.5	127	12	16	13.0	21.0	100	16	18	*13.5	*25.0	42	38	11	*12.5	*25.0	41	33	14	*11.0	*19.0	38	20	6	*7.0	*11.5	30	12	2	5.0	7.0
14	171	6	2	8.5	13.0	150	11	6	9.0	14.5	126	12	17	13.0	21.5	104	13	21	14.0	24.0	54	28	22	*11.0	*20.0	51	11	21	10.0	18.5	38	14	4	7.0	11.5	32	10	4	*4.0	*5.0
15	173	5	4	10.0	15.0	147	13	7	11.5	18.5	123	17	6	14.0	22.0	102	16	13	*14.0	*23.0	56	22	18	*11.5	*20.0	47	21	12.5	10.0	19.5	41	16	3	8.0	12.5	32	10	2	3.5	5.0
16	173	4	2	8.5	13.0	146	10	6	12.5	18.0	123	14	12	14.5	21.5	96	18	9	12.0	22.5	56	22	15	*11.5	*19.0	50	14	11	6.5	10.5	44	6	2	5.5	8.0	34	4	3	4.0	5.0
17	171	6	2	9.0	13.5	144	12	11	10.0	16.5	121	15	4	13.5	21.5	96	14	9	*10.0	*15.0	56	20	12	*10.0	*16.0	54	14	5	5.0	8.0	48	6	4	4.5	7.0	34	7	4	4.5	6.0
18	169	5	4	9.0	14.0	146	7	5	10.0	16.0	123	9	10	11.0	18.0	98	11	9	7.0	12.0	62	10	6	5.5	9.0	61	5	4	5.5	8.0	50	2	2	4.5	7.0	32	4	3	3.5	5.5
19	169	4	4	9.0	14.0	147	7	6	11.0	17.0	125	8	7	8.0	13.5	102	10	7	7.5	15.0	68	6	2	4.5	8.0	61	2	4	4.0	7.0	51	3	2	4.0	7.0	32	2	5	3.0	4.5
20	171	4	4	10.0	15.0	148	6	6	10.0	15.5	127	8	8	8.0	13.0	104	10	6	7.0	11.5	70	4	3	5.0	8.5	61	3	4	*4.5	*8.0	50	3	2	*5.0	*8.5	35	6	4	3.0	5.0
21	171	4	3	9.0	15.0	148	6	6	9.5	14.0	127	8	6	7.0	12.0	104	10	6	6.5	12.0	70	4	4	5.5	9.5	61	4	2	5.0	8.0	50	3	2	4.0	6.5	29	6	2	3.0	4.0
22	171	4	4	9.0	14.5	148	7	6	9.0	13.0	127	6	6	8.0	13.0	105	8	5	7.0	12.0	70	3	4	5.0	8.0	61	3	1	5.0	8.0	50	5	2	*4.5	*7.5	28	6	2	3.0	4.0
23	171	5	6	10.0	16.0	148	8	6	9.0	13.5	127	5	5	7.0	12.0	104	12	5	7.5	13.0	68	6	2	5.0	9.0	61	4	2	4.5	8.0	48	6	0	5.5	8.0	30	6	4	4.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-7.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Spring (Mar. Apr. May) 19 60

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	165	6	4	10.5	17.0	165	7	4	10.5	17.0	163	7	5	11.5	18.0	167	7	4	10.0	17.0	166	5	3	9.5	15.5	165	5	5	10.0	16.0
.051	144	7	5	9.0	16.0	141	10	5	10.0	18.0	137	10	9	13.0	21.5	142	10	7	11.0	19.0	140	8	6	10.0	17.0	142	7	4	8.0	14.5
.160	123	9	6	7.0	13.0	120	10	10	11.0	20.0	114	12	15	13.0	24.0	118	15	13	11.5	21.0	119	10	9	10.0	18.0	122	7	5	6.0	11.5
** .495	102	10	6	7.0	14.0	100	8	13	13.0	24.0	98	12	23	14.0	25.0	100	16	16	12.5	23.0	98	10	11	10.0	18.0	101	6	6	6.0	13.0
2.5	69	6	6	6.0	12.0	64	7	8	8.0	15.0	43	16	15	9.0	15.5	45	23	15	6.5	11.0	55	12	8	6.5	12.5	66	6	4	5.5	10.5
5	62	4	5	5.0	9.0	57	5	6	6.5	11.0	36	13	11	8.0	14.0	38	20	11	8.5	13.5	53	8	5	5.5	10.0	62	4	4	4.5	8.0
10	48	4	4	5.0	8.5	44	4	4	5.0	9.0	33	8	7	7.0	12.0	36	12	7	7.0	12.0	47	4	4	4.5	8.0	49	4	3	4.5	8.0
20	27	6	3	3.0	5.0	26	4	3	2.5	4.0	25	6	4	3.5	6.0	29	8	3	4.5	7.0	30	4	3	3.0	5.5	29	5	4	3.5	5.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

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** No data for March.

*This sheet is a correction for corresponding sheet appearing in Tech. Note 18-6.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Summer (June July Aug.) 1960

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.813	172	4	5	12.0	18.5	172	6	6	14.0	21.0	170	6	5	15.0	22.5	172	7	3	11.5	18.0	171	4	3	9.5	14.5	171	4	4	10.0	16.0
.051	150	6	5	11.0	17.0	150	7	10	13.5	21.0	147	8	9	15.0	24.0	148	12	8	12.0	19.0	146	9	6	11.5	17.0	148	6	5	9.5	15.0
.160	129	6	7	9.0	15.0	129	7	14	12.0	21.0	126	9	18	14.5	25.5	126	13	11	13.5	23.0	124	10	8	12.0	19.5	127	6	6	8.0	13.0
.495	105	9	6	8.5	15.0	102	12	16	11.5	21.5	97	15	18	13.0	24.0	102	17	16	13.5	24.5	99	12	8	10.0	18.0	104	7	5	7.5	13.5
2.5	72	4	4	6.0	10.5	68	6	8	8.0	14.5	49	18	14	9.0	15.0	53	26	16	11.5	20.5	63	13	9	8.5	14.5	71	4	3	5.5	9.0
5	64	3	3	5.0	8.0	60	4	5	7.0	12.0	42	14	13	11.0	19.0	46	24	14	12.0	21.0	58	8	5	6.0	9.5	64	3	3	4.5	7.5
10	50	2	3	5.0	8.0	45	4	4	6.0	9.0	35	11	6	9.0	15.0	40	16	6	9.0	14.0	48	5	3	4.5	7.0	50	3	2	4.0	7.0
20	29	5	4	3.5	5.0	27	7	3	3.0	4.5	27	8	3	4.0	6.0	31	12	4	4.5	6.5	32	5	4	3.5	5.5	30	4	4	3.5	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

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*This sheet is a correction for corresponding sheet appearing in Tech. Note 18-7.

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U. S. DEPARTMENT OF COMMERCE
Luther H. Hodges, *Secretary*

NATIONAL BUREAU OF STANDARDS
A. V. Astin, *Director*

THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

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Electricity. Resistance and Reactance. Electrochemistry. Electrical Instruments. Magnetic Measurements. Dielectrics. High Voltage.

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Radio Systems. Applied Electromagnetic Theory. High Frequency and Very High Frequency Research. Frequency Utilization. Modulation Research. Antenna Research. Radiodetermination.

Upper Atmosphere and Space Physics. Upper Atmosphere and Plasma Physics. High Latitude Ionosphere Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.

RADIO STANDARDS LABORATORY

Radio Physics. Radio Broadcast Service. Radio and Microwave Materials. Atomic Frequency and Time-Interval Standards. Radio Plasma. Millimeter-Wave Research.

Circuit Standards. High Frequency Electrical Standards. High Frequency Calibration Services. High Frequency Impedance Standards. Microwave Calibration Services. Microwave Circuit Standards. Low Frequency Calibration Services.


NBS